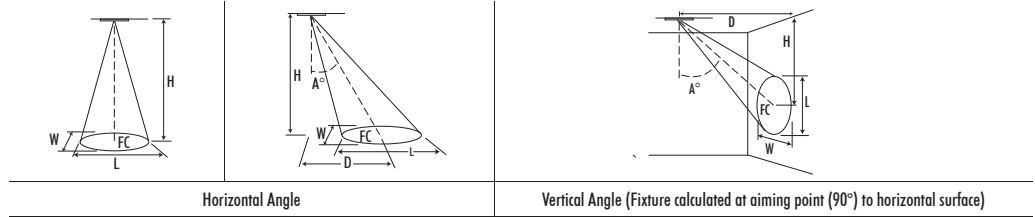


## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall  
 H = Distance to FC center of beam  
 FC = Footcandles  
 W = Beam width  
 L = Beam length



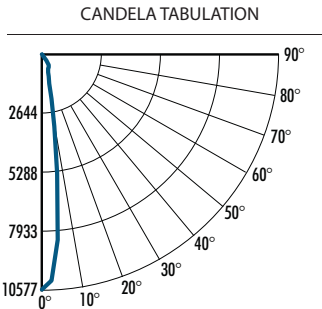
### LHAJLDQ412C025UE-DUN-B15-T40/LRAQ472W (1500lm, 15°, 4000K)

System Power:	9.0W
Test Date:	6/4/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1797.9
CBCP:	10577
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	294	1.6'	1.6'		6.0'	2.2'	244	1.7'	1.9'	4.0'	11.0'	26	3.2'	10.8'	4.0'	5.7'	125	1.9'	3.4'
8.0'	165	2.2'	2.2'		8.0'	2.9'	137	2.3'	2.5'	6.0'	16.5'	12	4.8'	16.2'	6.0'	8.6'	55	2.8'	5.2'
10.0'	106	2.7'	2.7'		10.0'	3.6'	88	2.9'	3.1'	8.0'	22.0'	7	6.4'	21.6'	8.0'	11.4'	31	3.8'	6.9'
12.0'	73	3.3'	3.3'		12.0'	4.4'	61	3.5'	3.7'	10.0'	27.5'	4	8.0'	27.1'	10.0'	14.3'	20	4.7'	8.6'
14.0'	54	3.8'	3.8'		14.0'	5.1'	45	4.1'	4.3'	12.0'	33.0'	3	9.5'	32.5'	12.0'	17.1'	14	5.7'	10.3'

MULTIPLIERS

Lumen	CCT
5000lm : 2.73	4000K : 1.00
4500lm : 2.40	3500K : 0.93
3500lm : 2.08	3000K : 0.93
3000lm : 1.92	2700K : 0.87
2500lm : 1.79	
2000lm : 1.35	
1500lm : 1.00	
CRI	
80 CRI : 1.00	
90 CRI : 0.80	



Trim (Lensed): 0.75

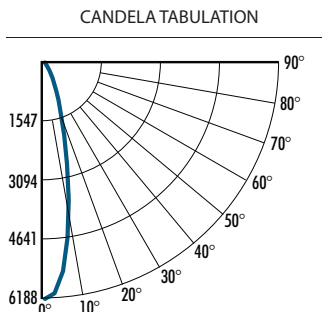
### LHAJLDQ412C025UE-DUN-B25-T40/LRAQ472W (1500lm, 25°, 4000K)

System Power:	9.0W	(Tilted at 30°) 9.0W
Test Date:	6/4/2018	6/4/2018
Beam Angle 50%:	23.2°	24.5°
Field Angle 0%:	47.4°	51.5°
Color Temp. (CCT):	4000K	4000K
CRI:	80	80
Lumens Delivered:	1478.2	1523.9
CBCP:	6188	5717
Power Factor:	> 0.9	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	172	2.5'	2.5'		6.0'	2.2'	143	2.6'	2.8'	4.0'	11.0'	15	4.8'	20.6'	4.0'	5.7'	73	2.9'	5.5'
8.0'	97	3.3'	3.3'		8.0'	2.9'	80	3.5'	3.7'	6.0'	16.5'	7	7.2'	30.9'	6.0'	8.6'	32	4.3'	8.2'
10.0'	62	4.1'	4.1'		10.0'	3.6'	51	4.4'	4.7'	8.0'	22.0'	4	9.6'	41.2'	8.0'	11.4'	18	5.7'	10.9'
12.0'	43	4.9'	4.9'		12.0'	4.4'	36	5.2'	5.6'	10.0'	27.5'	2	12.0'	51.5'	10.0'	14.3'	12	7.2'	13.7'
14.0'	32	5.7'	5.7'		14.0'	5.1'	26	6.1'	6.5'	12.0'	33.0'	2	14.4'	61.8'	12.0'	17.1'	8	8.6'	16.4'

MULTIPLIERS

Lumen	CCT
5000lm : 3.60	4000K : 1.00
4500lm : 3.15	3500K : 0.93
3500lm : 2.31	3000K : 0.93
3000lm : 1.92	2700K : 0.87
2500lm : 1.79	
2000lm : 1.35	
1500lm : 1.00	
CRI	
80 CRI : 1.00	
90 CRI : 0.80	



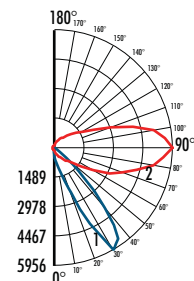
Trim (Lensed): 0.75

MULTIPLIER (Tilted at 30°)

Lumen

5000lm : 3.44
4500lm : 3.02
3500lm : 2.11
3000lm : 1.75
2500lm : 1.72
2000lm : 1.35
1500lm : 1.00

CANDELA TABULATION (Tilted at 30°)

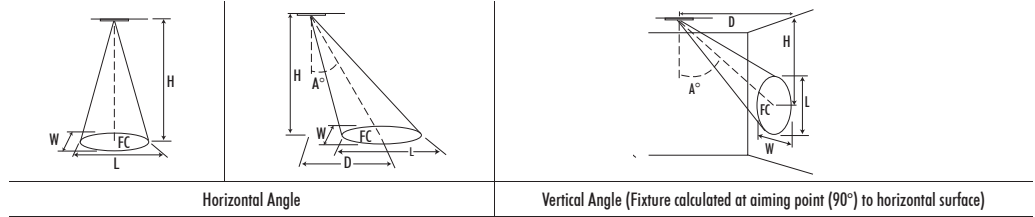


# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall  
H = Distance to FC center of beam  
FC = Footcandles  
W = Beam width  
L = Beam length



### LHAJLDQ412C025UE-DUN-B45-T40/LRAQ472W (1500lm, 45°, 4000K)

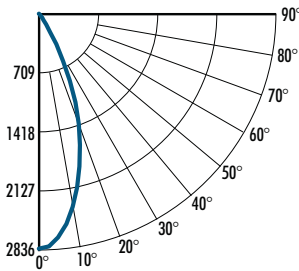
System Power:	9.0W	(Tilted at 30°)	9.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	1421.6		1465.8
CBCP:	2836		2765
Power Factor:	>0.90		>0.90

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	39	6.4'	6.4'	6.0'	2.2'	33	6.8'	7.5'	4.0'	11.0'	4	12.4'	4.0'	5.7'	17	7.4'	30.5'	
8.0'	22	8.5'	8.5'	8.0'	2.9'	18	9.1'	10.0'	6.0'	16.5'	2	18.7'	6.0'	8.6'	7	11.1'	45.8'	
10.0'	14	10.6'	10.6'	10.0'	3.6'	12	11.3'	12.5'	8.0'	22.0'	1	24.9'	8.0'	11.4'	4	14.8'	61.1'	
12.0'	10	12.8'	12.8'	12.0'	4.4'	8	13.6'	15.0'	10.0'	27.5'	1	31.1'	10.0'	14.3'	3	18.5'	76.3'	
14.0'	7	14.9'	14.9'	14.0'	5.1'	6	15.8'	17.5'	12.0'	33.0'	0	37.3'	12.0'	17.1'	2	22.2'	91.6'	

MULTIPLIERS	
Lumen	CCT
5000lm : 3.60	4000K : 1.00
4500lm : 3.16	3500K : 0.93
3500lm : 2.07	3000K : 0.93
3000lm : 1.72	2700K : 0.87
2500lm : 1.79	
2000lm : 1.34	CRI
1500lm : 1.00	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

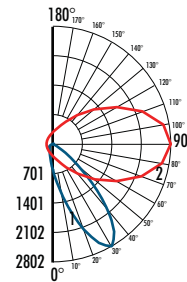
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 3.61
4500lm : 3.15
3500lm : 1.97
3000lm : 1.64
2500lm : 1.80
2000lm : 1.34
1500lm : 1.00

CANDELA TABULATION (Tilted at 30°)



# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

### LHAJLDQ412C025UE-DUN-B60-T40/LRAQ472W (1500lm, 60°, 4000K)

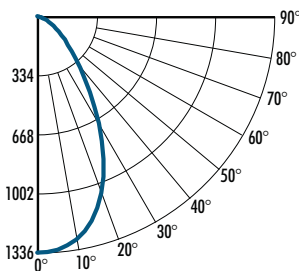
System Power:	9.0W
Test Date:	6/22/2018
Beam Angle 50%:	61.8°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1656
CBCP:	1336
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	37	7.2'	7.2'	6.0'	2.2'	31	7.6'	8.5'	4.0'	11.0'	3	14.0'	4.0'	5.7'	16	8.3'	54.0'	
8.0'	21	9.6'	9.6'	8.0'	2.9'	17	10.2'	11.4'	6.0'	16.5'	1	21.0'	6.0'	8.6'	7	12.5'	81.0'	
10.0'	13	12.0'	12.0'	10.0'	3.6'	11	12.7'	14.2'	8.0'	22.0'	1	28.0'	8.0'	11.4'	4	16.7'	108.0'	
12.0'	9	14.4'	14.4'	12.0'	4.4'	8	15.3'	17.1'	10.0'	27.5'	1	35.0'	10.0'	14.3'	3	20.9'	135.0'	
14.0'	7	16.8'	16.8'	14.0'	5.1'	6	17.8'	19.9'	12.0'	33.0'	0	42.0'	12.0'	17.1'	2	25.0'	162.0'	

MULTIPLIERS	
Lumen	CCT
5000lm : 3.58	4000K : 1.00
4500lm : 3.12	3500K : 0.93
3500lm : 1.85	3000K : 0.93
3000lm : 1.54	2700K : 0.87
2500lm : 1.46	
2000lm : 1.34	CRI
1500lm : 1.00	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

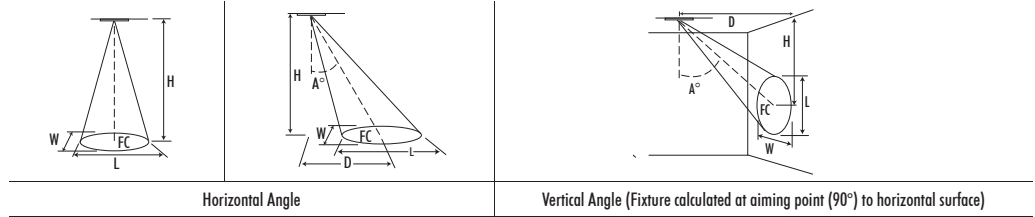
CANDELA TABULATION



## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall  
H = Distance to FC center of beam  
FC = Footcandles  
W = Beam width  
L = Beam length

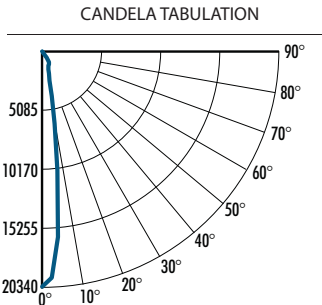


### LHAJLDQ425C070UE-DUN-B15-T40/LRAQ472W (3000lm, 15°, 4000K)

System Power:	28.1W
Test Date:	6/4/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3457.4
CBCP:	20340
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	565	1.6'	1.6'		6.0'	2.2'	469	1.7'	1.9'	4.0'	11.0'	51	3.2'	10.8'	4.0'	5.7'	240	1.9'	3.4'
8.0'	318	2.2'	2.2'		8.0'	2.9'	264	2.3'	2.5'	6.0'	16.5'	23	4.8'	16.2'	6.0'	8.6'	107	2.8'	5.2'
14.0'	104	3.8'	3.8'		14.0'	5.1'	86	4.1'	4.3'	8.0'	22.0'	13	6.4'	21.6'	8.0'	11.4'	60	3.8'	6.9'
16.0'	79	4.4'	4.4'		16.0'	5.8'	66	4.6'	4.9'	10.0'	27.5'	8	8.0'	27.1'	10.0'	14.3'	38	4.7'	8.6'
20.0'	51	5.4'	5.4'		20.0'	7.3'	42	5.8'	6.2'	12.0'	33.0'	6	9.5'	32.5'	12.0'	17.1'	27	5.7'	10.3'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.42	4000K : 1.00
4500lm : 1.25	3500K : 0.93
3500lm : 1.08	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.93	
2000lm : 0.70	CRI
1500lm : 0.52	80 CRI : 1.00
	90 CRI : 0.80



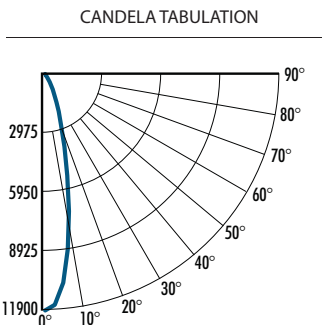
Trim (Lensed): 0.75

### LHAJLDQ425C070UE-DUN-B25-T40/LRAQ472W (3000lm, 25°, 4000K)

System Power:	28.1W	28.1W
Test Date:	6/4/2018	6/4/2018
Beam Angle 50%:	23.2°	24.9°
Field Angle 0%:	47.4°	51.6°
Color Temp. (CCT):	4000K	4000K
CRI:	80	80
Lumens Delivered:	2846.3	2682.3
CBCP:	11900	10031
Power Factor:	> 0.9	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	331	2.5'	2.5'		6.0'	2.2'	274	2.6'	2.8'	4.0'	11.0'	30	4.8'	20.6'	4.0'	5.7'	140	2.9'	5.5'
8.0'	186	3.3'	3.3'		8.0'	2.9'	154	3.5'	3.7'	6.0'	16.5'	13	7.2'	30.9'	6.0'	8.6'	62	4.3'	8.2'
14.0'	61	5.7'	5.7'		14.0'	5.1'	50	6.1'	6.5'	8.0'	22.0'	7	9.6'	41.2'	8.0'	11.4'	35	5.7'	10.9'
16.0'	46	6.6'	6.6'		16.0'	5.8'	39	7.0'	7.5'	10.0'	27.5'	5	12.0'	51.5'	10.0'	14.3'	22	7.2'	13.7'
18.0'	37	7.4'	7.4'		18.0'	6.6'	30	7.9'	8.4'	12.0'	33.0'	3	14.4'	61.8'	12.0'	17.1'	16	8.6'	16.4'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.87	4000K : 1.00
4500lm : 1.64	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.93	
2000lm : 0.70	CRI
1500lm : 0.52	80 CRI : 1.00
	90 CRI : 0.80

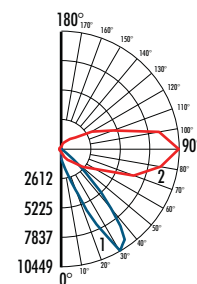


Trim (Lensed): 0.75

#### MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 1.96
4500lm : 1.72
3500lm : 1.20
3000lm : 1.00
2500lm : 0.98
2000lm : 0.77
1500lm : 0.57

#### CANDELA TABULATION (Tilted at 30°)

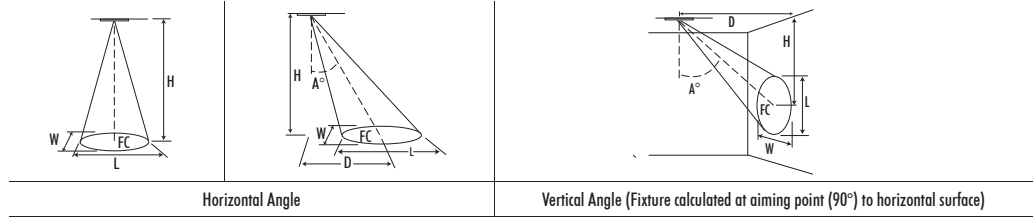


# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall  
H = Distance to FC center of beam  
FC = Footcandles  
W = Beam width  
L = Beam length



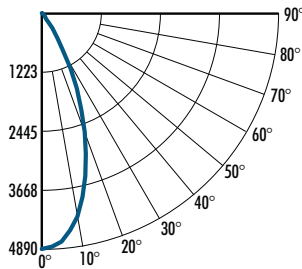
### LHAJLDQ425C070UE-DUN-B45-T40/LRAQ472W (3000lm, 45°, 4000K)

System Power:	28.1W	(Tilted at 30°)	28.1W
Test Date:	5/14/2018		5/14/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	2451.3		2403.4
CBCP:	4890		4533
Power Factor:	>0.90		>0.90

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	68	3.7'	3.7'	6.0'	2.2'	57	3.9'	4.2'	4.0'	11.0'	6	7.2'	71.0'	4.0'	5.7'	29	4.3'	9.2'
8.0'	38	4.9'	4.9'	8.0'	2.9'	32	5.2'	5.6'	6.0'	16.5'	3	10.7'	106.5'	6.0'	8.6'	13	6.4'	13.8'
14.0'	13	8.6'	8.6'	14.0'	5.1'	10	9.1'	9.8'	8.0'	22.0'	2	14.3'	142.0'	8.0'	11.4'	7	8.5'	18.4'
16.0'	10	9.8'	9.8'	16.0'	5.8'	8	10.4'	11.2'	10.0'	27.5'	1	17.9'	177.5'	10.0'	14.3'	5	10.7'	23.0'
18.0'	8	11.0'	11.0'	18.0'	6.6'	6	11.7'	12.6'	12.0'	33.0'	1	21.5'	213.0'	12.0'	17.1'	3	12.8'	27.6'

MULTIPLIERS	
Lumen	CCT
5000lm : 2.09	4000K : 1.00
4500lm : 1.83	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 1.04	
2000lm : 0.78	CRI
1500lm : 0.58	80 CRI : 1.00
	90 CRI : 0.80

CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 2.20
4500lm : 1.92
3500lm : 1.20
3000lm : 1.00
2500lm : 1.10
2000lm : 0.82
1500lm : 0.61

CANDELA TABULATION (Tilted at 30°)

Trim (Lensed): 0.75

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

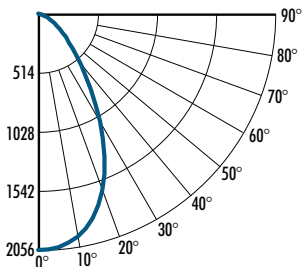
### LHAJLDQ425C070UE-DUN-B60-T40/LRAQ472W (3000lm, 60°, 4000K)

System Power:	28.1W
Test Date:	6/22/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	2547.6
CBCP:	2056
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	57	7.2'	7.2'	6.0'	2.2'	47	7.6'	8.5'	4.0'	11.0'	5	14.0'	4.0'	5.7'	24	8.3'	53.3'	
8.0'	32	9.6'	9.6'	8.0'	2.9'	27	10.2'	11.4'	6.0'	16.5'	2	21.0'	6.0'	8.6'	11	12.5'	80.0'	
10.0'	21	11.9'	11.9'	10.0'	3.6'	17	12.7'	14.2'	8.0'	22.0'	1	27.9'	8.0'	11.4'	6	16.7'	106.7'	
12.0'	14	14.3'	14.3'	12.0'	4.4'	12	15.3'	17.0'	10.0'	27.5'	1	34.9'	10.0'	14.3'	4	20.8'	133.3'	
14.0'	10	16.7'	16.7'	14.0'	5.1'	9	17.8'	19.9'	12.0'	33.0'	1	41.9'	12.0'	17.1'	3	25.0'	160.0'	

MULTIPLIERS	
Lumen	CCT
5000lm : 2.33	4000K : 1.00
4500lm : 2.03	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.95	
2000lm : 0.87	CRI
1500lm : 0.65	80 CRI : 1.00
	90 CRI : 0.80

CANDELA TABULATION

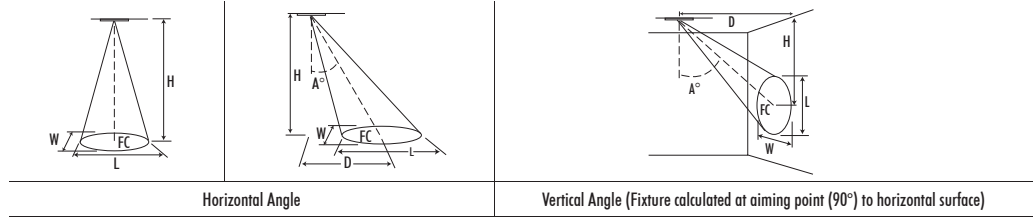


Trim (Lensed): 0.75

## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall  
H = Distance to FC center of beam  
FC = Footcandles  
W = Beam width  
L = Beam length

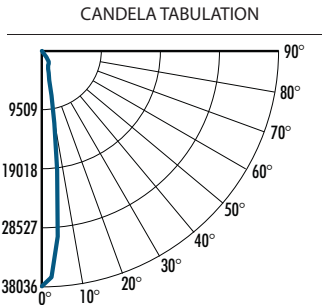


### LHAJLDQ450C140UE-DUN-B15-T40/LRAQ472W (5000lm, 15°, 4000K)

System Power:	2/28/1900
Test Date:	6/5/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	6465.5
CBCP:	38036
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	594	2.2'	2.2'		8.0'	2.9'	493	2.3'	2.5'	4.0'	11.0'	95	3.2'	10.8'	4.0'	5.7'	449	1.9'	3.4'
10.0'	380	2.7'	2.7'		10.0'	3.6'	316	2.9'	3.1'	6.0'	16.5'	42	4.8'	16.2'	6.0'	8.6'	199	2.8'	5.2'
20.0'	95	5.4'	5.4'		20.0'	7.3'	79	5.8'	6.2'	8.0'	22.0'	24	6.4'	21.6'	8.0'	11.4'	112	3.8'	6.9'
25.0'	61	6.8'	6.8'		25.0'	9.1'	50	7.2'	7.7'	10.0'	27.5'	15	8.0'	27.1'	10.0'	14.3'	72	4.7'	8.6'
30.0'	42	8.2'	8.2'		30.0'	10.9'	35	8.7'	9.3'	12.0'	33.0'	11	9.5'	32.5'	12.0'	17.1'	50	5.7'	10.3'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.76	3000K : 0.93
3000lm : 0.70	2700K : 0.87
2500lm : 0.65	
2000lm : 0.49	CRI
1500lm : 0.37	80 CRI : 1.00
	90 CRI : 0.80



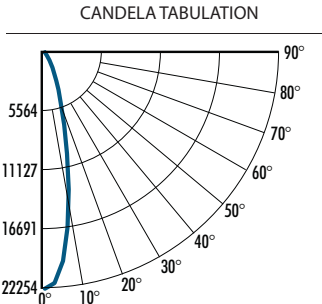
Trim (Lensed): 0.75

### LHAJLDQ450C140UE-DUN-B25-T40/LRAQ472W (5000lm, 25°, 4000K)

System Power:	60.0W	(Tilted at 30°)	60.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	23.2°		24.9°
Field Angle 0%:	47.4°		51.6°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	5322.4		5337.7
CBCP:	22254		19962
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	348	3.3'	3.3'		8.0'	2.9'	289	3.5'	3.7'	4.0'	11.0'	56	4.8'	20.6'	4.0'	5.7'	262	2.9'	5.5'
10.0'	223	4.1'	4.1'		10.0'	3.6'	185	4.4'	4.7'	6.0'	16.5'	25	7.2'	30.9'	6.0'	8.6'	117	4.3'	8.2'
20.0'	56	8.2'	8.2'		20.0'	7.3'	46	8.7'	9.4'	8.0'	22.0'	14	9.6'	41.2'	8.0'	11.4'	66	5.7'	10.9'
25.0'	36	10.3'	10.3'		25.0'	9.1'	30	10.9'	11.7'	10.0'	27.5'	9	12.0'	51.5'	10.0'	14.3'	42	7.2'	13.7'
30.0'	25	12.3'	12.3'		30.0'	10.9'	21	13.1'	14.0'	12.0'	33.0'	6	14.4'	61.8'	12.0'	17.1'	29	8.6'	16.4'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.64	3000K : 0.93
3000lm : 0.53	2700K : 0.87
2500lm : 0.50	
2000lm : 0.37	CRI
1500lm : 0.28	80 CRI : 1.00
	90 CRI : 0.80

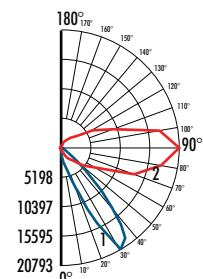


Trim (Lensed): 0.75

#### MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 1.00
4500lm : 0.88
3500lm : 0.61
3000lm : 0.51
2500lm : 0.50
2000lm : 0.39
1500lm : 0.29

#### CANDELA TABULATION (Tilted at 30°)

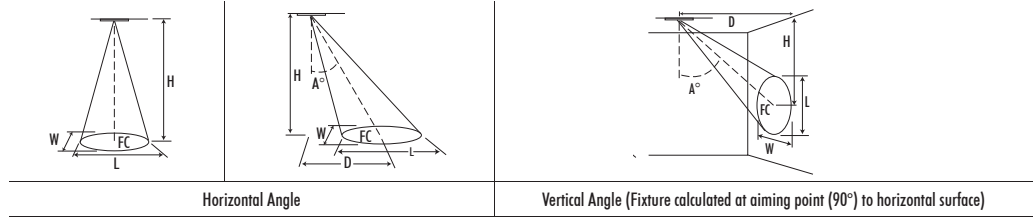


# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall  
H = Distance to FC center of beam  
FC = Footcandles  
W = Beam width  
L = Beam length



### LHAJLDQ450C140UE-DUN-B45-T40/LRAQ472W (5000lm, 45°, 4000K)

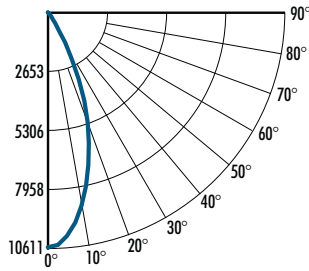
System Power:	60.0W	(Tilted at 30°)
Test Date:	6/18/2018	60.0W
Beam Angle 50%:	36.2°	6/18/2018
Field Angle 0%:	65.3°	36.2°
Color Temp. (CCT):	4000K	65.3°
CRI:	80	4000K
Lumens Delivered:	5319.3	80
CBCP:	10611	5336.6
Power Factor:	>0.90	10063
		>0.90

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	83	11.0'	11.0'	8.0'	2.9'	69	11.7'	13.3'	4.0'	11.0'	13	16.1'		4.0'	5.7'	63	9.6'	456.9'
10.0'	53	13.7'	13.7'	10.0'	3.6'	44	14.6'	16.6'	6.0'	16.5'	6	24.1'		6.0'	8.6'	28	14.4'	685.3'
20.0'	13	27.5'	27.5'	20.0'	7.3'	11	29.3'	33.2'	8.0'	22.0'	3	32.2'		8.0'	11.4'	16	19.2'	913.7'
25.0'	9	34.4'	34.4'	25.0'	9.1'	7	36.6'	41.5'	10.0'	27.5'	2	40.2'		10.0'	14.3'	10	24.0'	1142.1'
30.0'	6	41.2'	41.2'	30.0'	10.9'	5	43.9'	49.8'	12.0'	33.0'	1	48.2'		12.0'	17.1'	7	28.8'	1370.6'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.57	3000K : 0.93
3000lm : 0.48	2700K : 0.87
2500lm : 0.50	
2000lm : 0.37	CRI
1500lm : 0.28	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

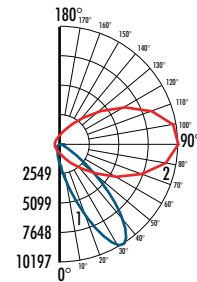
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 1.00
4500lm : 0.87
3500lm : 0.55
3000lm : 0.45
2500lm : 0.50
2000lm : 0.37
1500lm : 0.28

CANDELA TABULATION (Tilted at 30°)



# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

### LHAJLDQ450C140UE-DUN-B60-T40/LRAQ472W (5000lm, 60°, 4000K)

System Power:	60.0W
Test Date:	6/22/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	6139.8
CBCP:	4954
Power Factor:	> 0.9

No Angle Tilt (0°)				Angle A° = 20°				Angle A° = 20°				Angle A° = 35°						
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	138	7.2'	7.2'	6.0'	2.2'	114	7.6'	8.5'	4.0'	11.0'	12	14.0'		4.0'	5.7'	58	8.3'	53.3'
8.0'	77	9.6'	9.6'	8.0'	2.9'	64	10.2'	11.4'	6.0'	16.5'	6	21.0'		6.0'	8.6'	26	12.5'	80.0'
14.0'	25	16.7'	16.7'	14.0'	5.1'	21	17.8'	19.9'	8.0'	22.0'	3	27.9'		8.0'	11.4'	15	16.7'	106.7'
16.0'	19	19.1'	19.1'	16.0'	5.8'	16	20.3'	22.7'	10.0'	27.5'	2	34.9'		10.0'	14.3'	9	20.8'	133.3'
18.0'	15	21.5'	21.5'	18.0'	6.6'	13	22.9'	25.6'	12.0'	33.0'	1	41.9'		12.0'	17.1'	6	25.0'	160.0'

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.87	3500K : 0.93
3500lm : 0.52	3000K : 0.93
3000lm : 0.43	2700K : 0.87
2500lm : 0.41	
2000lm : 0.37	CRI
1500lm : 0.28	80 CRI : 1.00
	90 CRI : 0.80

Trim (Lensed): 0.75

CANDELA TABULATION

