

## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

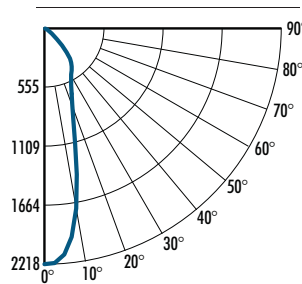
### LHABLD412C025UE-DUN-B25-T40/LRB41W (1000lm, 25°, 4000K)

System Power:	8.9W
Test Date:	5/4/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1251.1
CBCP:	2218
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.71
6000lm:	4.70
5000lm:	3.91
3500lm:	2.69
2500lm:	1.95
1500lm:	1.39
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.86
90 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	61.61	28.28
8.0'	4.1'	34.66	15.91
10.0'	5.2'	22.2	10.18
12.0'	6.2'	15.4	7.07
14.0'	7.2'	11.3	5.19

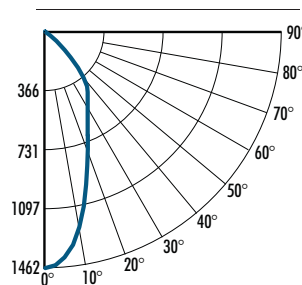
### LHABLD412C025UE-DUN-B45-T40/LRB41W (1000lm, 45°, 4000K)

System Power:	8.9W
Test Date:	5/4/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1222.7
CBCP:	1462.00
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.71
6000lm:	4.70
5000lm:	3.91
3500lm:	2.69
2500lm:	1.95
1500lm:	1.39
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.86
97 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	40.61	15.56
8.0'	6.3'	22.84	8.75
10.0'	7.9'	14.6	5.60
12.0'	9.5'	10.2	3.89
14.0'	11.1'	7.5	2.86

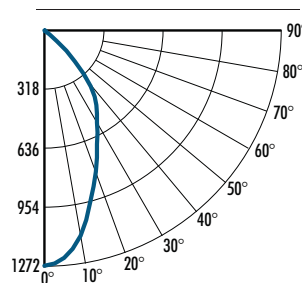
### LHABLD412C025UE-DUN-B60-T40/LRB41W (1000lm, 60°, 4000K)

System Power:	8.9W
Test Date:	5/8/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1225.9
CBCP:	1271
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.76
6000lm:	4.74
5000lm:	3.95
3500lm:	2.71
2500lm:	1.97
1500lm:	1.40
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.82
97 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	35.31	12.61
8.0'	8.0'	19.86	7.09
10.0'	10.0'	12.7	4.54
12.0'	12.0'	8.8	3.15
14.0'	14.0'	6.5	2.32

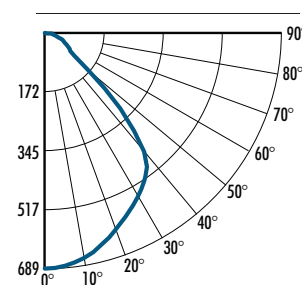
### LHABLD412C025UE-DUN-B90-T40/LRB41W (1000lm, 90°, 4000K)

System Power:	8.9W
Test Date:	5/8/2018
Beam Angle 50%:	88.3°
Field Angle 10%:	126.2°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	1275.2
CBCP:	689
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm:	5.71
6000lm:	4.70
5000lm:	3.91
3500lm:	2.69
2500lm:	1.95
1500lm:	1.39
1000lm:	1.00
CRI	
80 CRI:	1.00
90 CRI:	0.86
97 CRI:	0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.6'	19.14	3.21
8.0'	15.5'	10.77	1.81
10.0'	19.4'	6.9	1.16
12.0'	23.3'	4.8	0.80
14.0'	27.2'	3.5	0.59

## PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

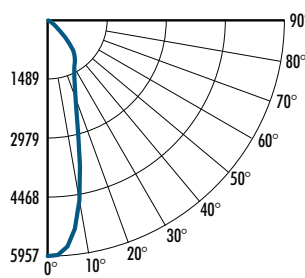
### LHABLD435C070UE-DUN-B25-T40/LRB41W (3500lm, 25°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3360.3
CBCP:	5957
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.93
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	165.47	76.40
8.0'	4.1'	93.08	42.98
10.0'	5.2'	59.6	27.50
14.0'	7.2'	30.4	14.03
18.0'	9.3'	18.4	8.49

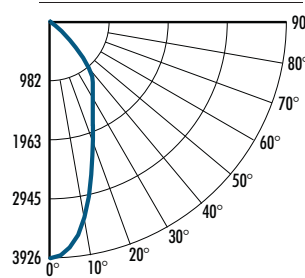
### LHABLD435C070UE-DUN-B45-T40/LRB41W (3500lm, 45°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3283.9
CBCP:	1462
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	109.06	41.73
8.0'	6.3'	61.34	23.47
10.0'	7.9'	39.3	15.02
14.0'	11.1'	20.0	7.66
18.0'	14.2'	12.1	4.64

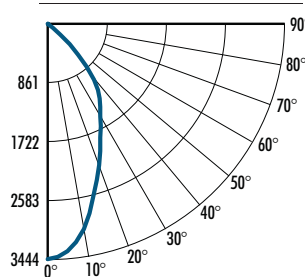
### LHABLD435C070UE-DUN-B60-T40/LRB41W (3500lm, 60°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3319.4
CBCP:	3441
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	95.58	34.16
8.0'	8.0'	53.77	19.22
10.0'	10.0'	34.4	12.30
14.0'	14.0'	17.6	6.27
18.0'	18.0'	10.6	3.80

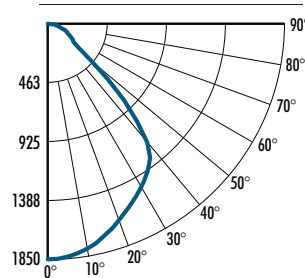
### LHABLD435C070UE-DUN-B90-T40/LRB41W (3500lm, 90°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	88.4°
Field Angle 10%:	126.0°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	3424.7
CBCP:	1850
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.7'	51.39	8.60
8.0'	15.6'	28.91	4.84
10.0'	19.4'	18.5	3.10
12.0'	23.3'	12.8	2.15
14.0'	27.2'	9.4	1.58

## PHOTOMETRY

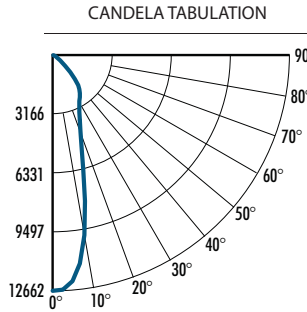
NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

### LHABLD460C105UE-DUN-B25-T40/LRB41W (7000lm, 25°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	7142.4
CBCP:	12662
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	
1000lm : 0.18	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



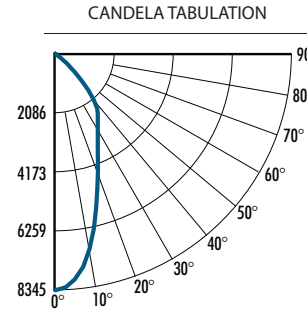
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	4.1'	197.84	90.79
10.0'	5.2'	126.62	58.10
15.0'	7.8'	56.3	25.82
20.0'	10.3'	31.7	14.53
25.0'	12.9'	20.3	9.30

### LHABLD460C105UE-DUN-B45-T40/LRB41W (7000lm, 45°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	6980.1
CBCP:	8345
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	
1000lm : 0.18	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



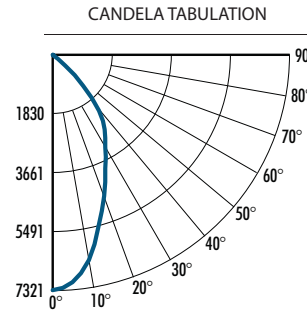
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	6.3'	130.39	49.89
10.0'	7.9'	83.45	31.93
15.0'	11.8'	37.1	14.19
20.0'	15.8'	20.9	7.98
25.0'	19.7'	13.4	5.11

### LHABLD460C105UE-DUN-B60-T40/LRB41W (7000lm, 60°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	7055.6
CBCP:	7314
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	
1000lm : 0.17	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



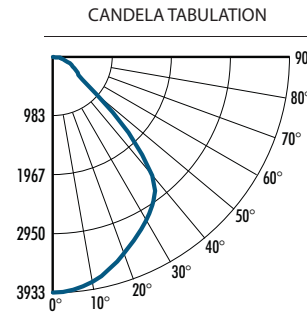
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	8.0'	114.28	40.84
10.0'	10.0'	73.14	26.13
15.0'	15.0'	32.5	11.62
20.0'	20.0'	18.3	6.53
25.0'	25.0'	11.7	4.18

### LHABLD460C105UE-DUN-B90-T40/LRB41W (7000lm, 90°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	88.4°
Field Angle 10%:	126.0°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	7279.2
CBCP:	3933
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	
1000lm : 0.18	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	

Trim (Lensed): 0.75



Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	15.5'	61.45	10.30
10.0'	19.4'	39.33	6.59
15.0'	29.1'	17.5	2.93
20.0'	38.8'	9.8	1.65
25.0'	48.5'	6.3	1.06