

PHOTOMETRY

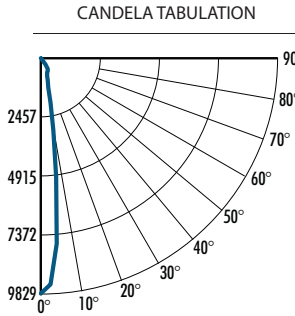
NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	27W	41W	51W	64W

LHABLDQ412C025UE-DUN-B15-T40/LRAQ41W (1000lm, 15°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	14.3°
Field Angle 0%:	31.5°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1308.5
CBCP:	9829
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.91	3000K : 0.98
3500lm : 2.69	2700K : 0.94
2500lm : 1.95	
1500lm : 1.39	CRI
1000lm : 1.00	80 CRI : 1.00
	90 CRI : 0.86
	90 CRI : 0.77

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

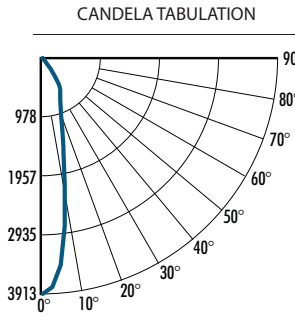
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	1.5'	273.03	130.19
8.0'	2.0'	153.58	73.23
10.0'	2.5'	98.3	46.87
20.0'	5.0'	24.6	11.72
30.0'	7.5'	10.9	5.21

LHABLDQ412C025UE-DUN-B20-T40/LRAQ41W (1000lm, 20°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	21.1°
Field Angle 10%:	68.4°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1217.5
CBCP:	3913
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.91	3000K : 0.98
3500lm : 2.69	2700K : 0.94
2500lm : 1.95	
1500lm : 1.39	CRI
1000lm : 1.00	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

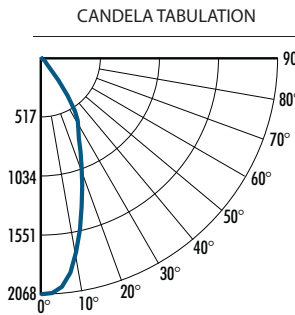
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	2.2'	108.69	56.14
8.0'	3.0'	61.14	31.58
10.0'	3.7'	39.1	20.21
18.0'	6.7'	12.1	6.24
24.0'	8.9'	6.8	3.51

LHABLDQ412C025UE-DUN-B40-T40/LRAQ41W (1000lm, 40°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	38.6°
Field Angle 10%:	75.8°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1342
CBCP:	2068
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.92	3000K : 0.98
3500lm : 2.69	2700K : 0.94
2500lm : 1.95	
1500lm : 1.39	CRI
1000lm : 1.00	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

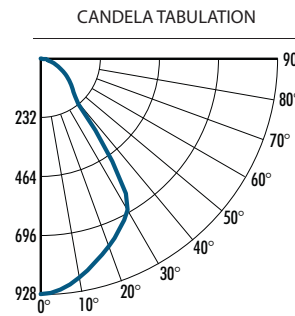
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.2'	57.44	23.73
8.0'	5.6'	32.31	13.35
10.0'	7.0'	20.7	8.54
14.0'	9.8'	10.6	4.36
18.0'	12.6'	6.4	2.64

LHABLDQ412C025UE-DUN-B70-T40/LRAQ41W (1000lm, 70°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	70.5°
Field Angle 10%:	123.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1342
CBCP:	928
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.91	3000K : 0.98
3500lm : 2.69	2700K : 0.94
2500lm : 1.95	
1500lm : 1.39	CRI
1000lm : 1.00	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	8.5'	25.78	7.49
8.0'	11.3'	14.50	4.21
10.0'	14.1'	9.3	2.70
12.0'	17.0'	6.4	1.87
14.0'	19.8'	4.7	1.38

PHOTOMETRY

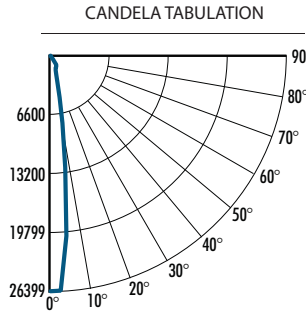
NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	27W	41W	51W	64W

LHABLDQ435C070UE-DUN-B15-T40/LRAQ41W (3500lm, 15°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	14.3°
Field Angle 0%:	31.5°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3514.4
CBCP:	26399
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



FOOTCANDLE DISTRIBUTION

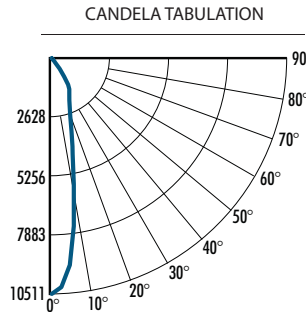
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	1.5'	733.31	727.67
8.0'	2.0'	412.48	409.32
10.0'	2.5'	264.0	261.96
20.0'	5.0'	66.0	65.49
30.0'	7.5'	29.3	29.11

LHABLDQ435C070UE-DUN-B20-T40/LRAQ41W (3500lm, 20°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	21.1°
Field Angle 10%:	68.4°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3270.2
CBCP:	10511
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



FOOTCANDLE DISTRIBUTION

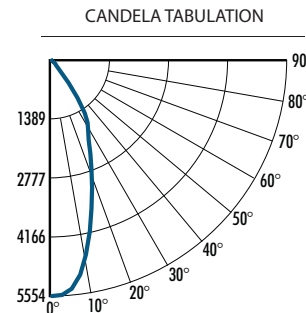
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	2.2'	291.97	320.43
8.0'	3.0'	164.23	180.24
10.0'	3.7'	105.1	115.36
18.0'	6.7'	32.4	35.60
24.0'	8.9'	18.2	20.03

LHABLDQ412C025UE-DUN-B40-T40/LRAQ41W (3500lm, 40°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	38.6°
Field Angle 10%:	75.8°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3604
CBCP:	5554
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



FOOTCANDLE DISTRIBUTION

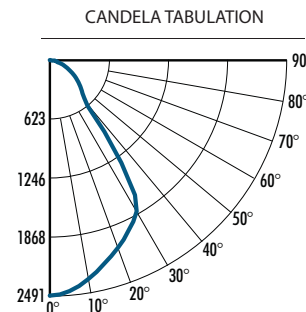
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.2'	154.28	63.75
8.0'	5.6'	86.78	35.86
10.0'	7.0'	55.5	22.95
14.0'	9.8'	28.3	11.71
18.0'	12.6'	17.1	7.08

LHABLDQ435C070UE-DUN-B70-T40/LRAQ41W (3500lm, 70°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	70.5°
Field Angle 10%:	123.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3604
CBCP:	2491
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



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	8.5'	69.19	20.11
8.0'	11.3'	38.92	11.31
10.0'	14.1'	24.9	7.24
12.0'	17.0'	17.3	5.03
14.0'	19.8'	12.7	3.69

PHOTOMETRY

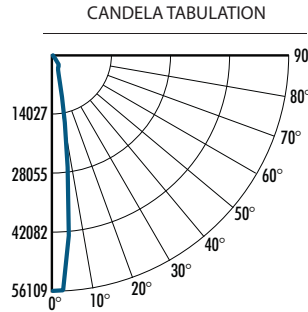
NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	27W	41W	51W	64W

LHABLDQ460C105UE-DUN-B15-T40/LRAQ41W (7000lm, 15°, 4000K)

System Power:	63.8W
Test Date:	5/24/2018
Beam Angle 50%:	14.3°
Field Angle 0%:	31.5°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7469.7
CBCP:	56109
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



FOOTCANDLE DISTRIBUTION

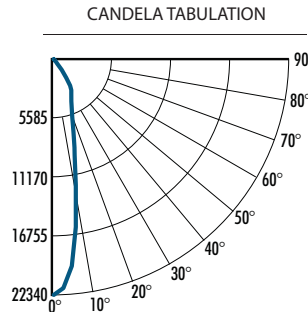
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	1.5'	1558.58	342.36
8.0'	2.0'	876.70	192.58
10.0'	2.5'	561.1	123.25
20.0'	5.0'	140.3	30.81
30.0'	7.5'	62.3	13.69

LHABLDQ460C105UE-DUN-B20-T40/LRAQ41W (7000lm, 20°, 4000K)

System Power:	63.9W
Test Date:	5/24/2018
Beam Angle 50%:	21.1°
Field Angle 10%:	68.4°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6950.8
CBCP:	22340
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



FOOTCANDLE DISTRIBUTION

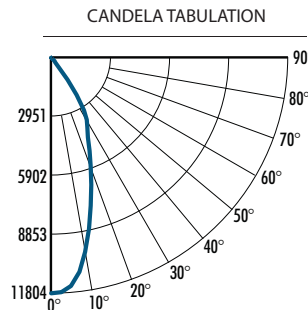
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	2.2'	620.56	150.76
8.0'	3.0'	349.06	84.80
10.0'	3.7'	223.4	54.27
18.0'	6.7'	69.0	16.75
24.0'	8.9'	38.8	9.42

LHABLDQ460C105UE-DUN-B40-T40/LRAQ41W (7000lm, 40°, 4000K)

System Power:	63.9W
Test Date:	5/24/2018
Beam Angle 50%:	38.6°
Field Angle 10%:	75.8°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7660.1
CBCP:	11804
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



FOOTCANDLE DISTRIBUTION

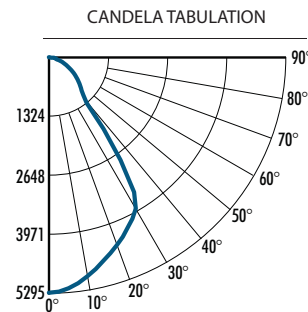
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.2'	327.89	135.49
8.0'	5.6'	184.44	76.21
10.0'	7.0'	118.0	48.78
14.0'	9.8'	60.2	24.89
18.0'	12.6'	36.4	15.05

LHABLDQ460C105UE-DUN-B70-T40/LRAQ41W (7000lm, 70°, 4000K)

System Power:	63.9W
Test Date:	5/24/2018
Beam Angle 50%:	70.5°
Field Angle 10%:	123.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7660.1
CBCP:	5295
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



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	8.5'	147.08	42.74
8.0'	11.3'	82.73	24.04
10.0'	14.1'	53.0	15.39
12.0'	17.0'	36.8	10.68
14.0'	19.8'	27.0	7.85