

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P762935

Luminaire Tested: LD6D25D010-EU6DR1515309050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR1515309050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2653.6 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



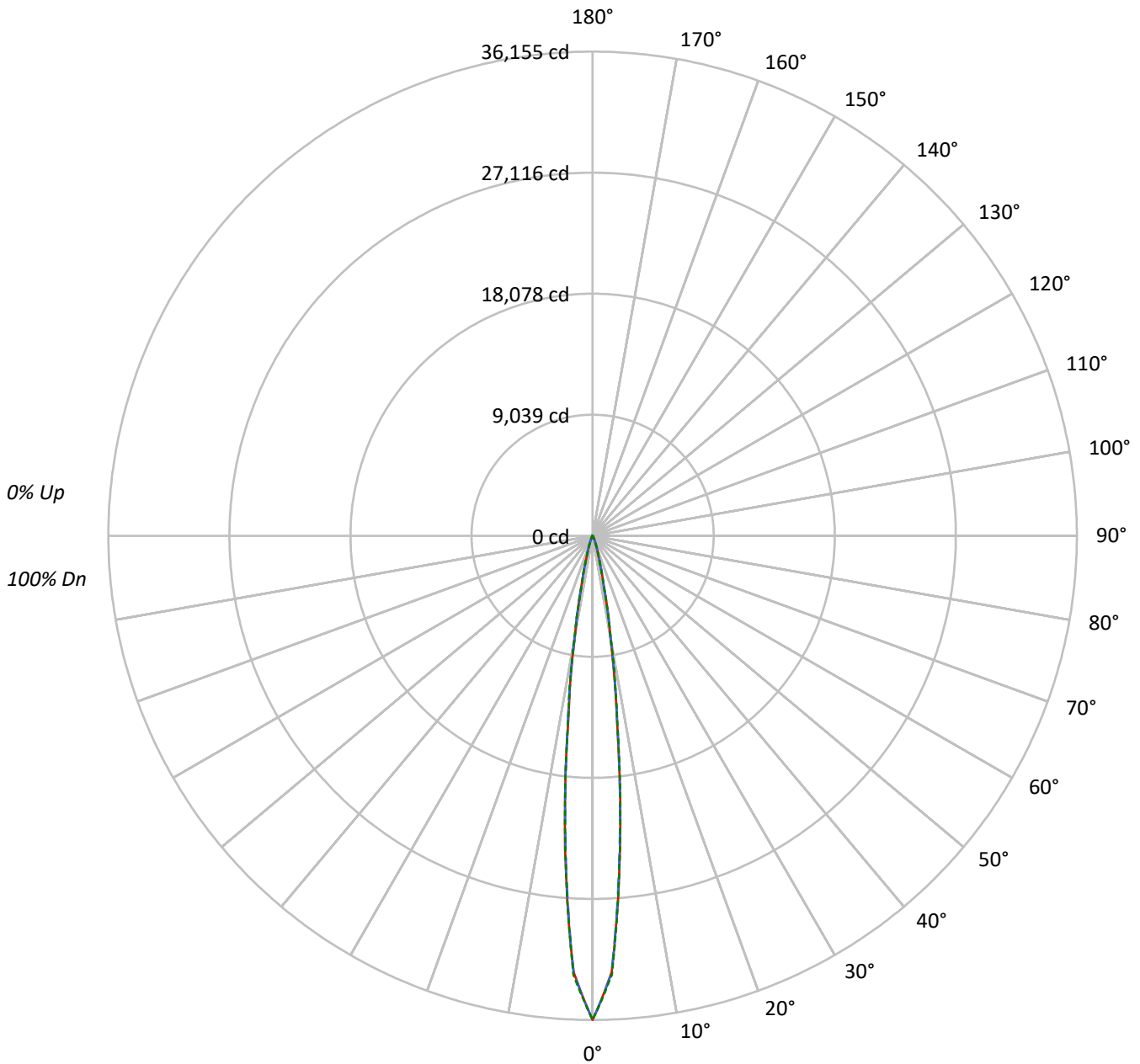
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4068125	4068125	4068125
5°	2390627	2359671	2378330
10°	713486	718487	729488
15°	177475	180931	175347
20°	53103	61490	54224
25°	18720	23845	18961
30°	6874	9053	6994
35°	3442	3892	3333
40°	2173	2393	2173
45°	1610	1715	1610
50°	1279	1279	1279
55°	1065	1065	1065
60°	857	857	857
65°	657	657	657
70°	563	563	563
75°	348	348	461
80°	244	244	244
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1715 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1721.0	64.9
10°-20°	707.9	26.7
20°-30°	140.6	5.3
30°-40°	35.1	1.3
40°-50°	18.4	0.7
50°-60°	13.7	0.5
60°-70°	9.7	0.4
70°-80°	5.5	0.2
80°-90°	1.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2569.5	96.8
0°-40°	2604.6	98.2
0°-60°	2636.8	99.4
0°-90°	2653.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2653.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36155	36155	36155	36155	36155	
5°	23523	23281	23218	23379	23402	1718
15°	2043	2082	2083	2046	2019	701
25°	240	272	306	271	243	126
35°	47	50	54	50	46	32
45°	23	23	24	23	23	18
55°	15	15	15	15	15	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36154.7	36154.7	36154.7	36154.7	36154.7
2.5°	32613.0	32640.6	32651.3	32683.4	32802.8
5°	23523.1	23281.2	23218.5	23379.2	23402.1
7.5°	13934.1	13983.1	14162.2	14202.0	14058.1
10°	7646.6	7709.4	7700.2	7755.3	7818.1
12.5°	3910.6	3861.6	3846.3	3909.0	3821.8
15°	2043.3	2081.6	2083.1	2046.3	2018.8
17.5°	1098.9	1143.3	1216.8	1157.1	1065.3
20°	649.0	688.7	751.5	702.5	662.7
22.5°	401.0	433.1	477.5	439.3	407.1
25°	240.3	272.4	306.1	270.9	243.4
27.5°	142.3	169.9	191.3	168.4	140.8
30°	91.8	107.1	120.9	105.6	93.4
32.5°	64.3	70.4	76.5	70.4	64.3
35°	47.4	50.5	53.6	50.5	45.9
37.5°	36.7	39.8	41.3	38.3	35.2
40°	30.6	32.1	33.7	32.1	30.6
42.5°	26.0	27.5	27.5	27.5	26.0
45°	23.0	23.0	24.5	23.0	23.0
47.5°	19.9	19.9	21.4	19.9	19.9
50°	18.4	18.4	18.4	18.4	18.4
52.5°	16.8	16.8	16.8	16.8	16.8
55°	15.3	15.3	15.3	15.3	15.3
57.5°	13.8	13.8	13.8	13.8	13.8
60°	12.2	12.2	12.2	12.2	12.2
62.5°	10.7	10.7	10.7	10.7	10.7
65°	9.2	9.2	9.2	9.2	9.2
67.5°	9.2	9.2	9.2	9.2	9.2
70°	7.7	7.7	7.7	7.7	7.7
72.5°	6.1	6.1	6.1	6.1	6.1
75°	4.6	4.6	4.6	4.6	6.1
77.5°	4.6	4.6	4.6	4.6	4.6
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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