

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: P790617

Luminaire Tested: LER6D25D010-EC6DR1515309027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790617
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: LER6D25D010-EC6DR1515309027-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2912.2 lumens
Efficiency: N/A
Efficacy: 116.0 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

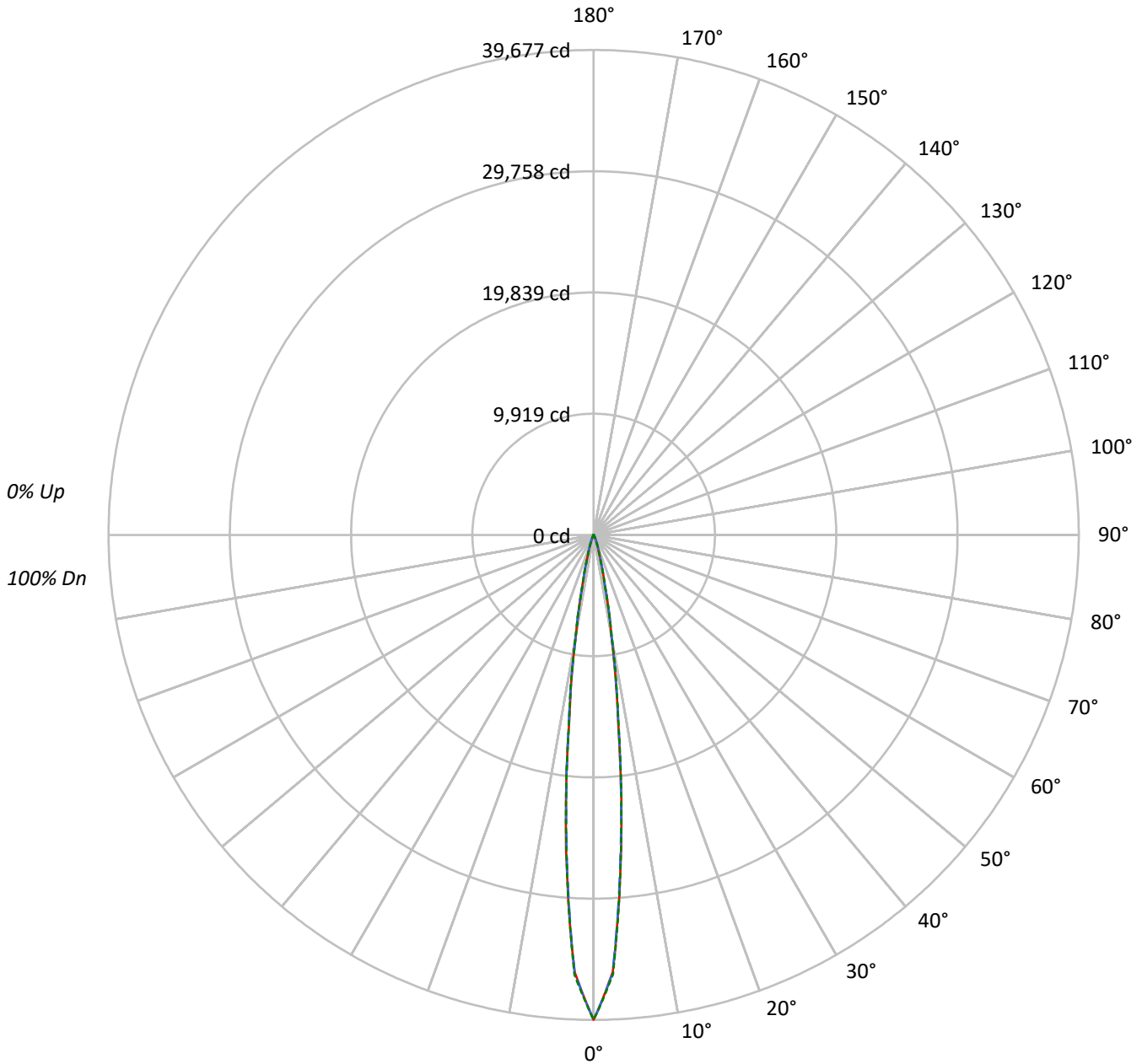
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	4464465	4464465	4464465
5°	2623530	2589555	2610044
10°	783000	788486	800551
15°	194768	198555	192431
20°	58274	67479	59510
25°	20542	26167	20807
30°	7548	9937	7675
35°	3783	4270	3660
40°	2386	2628	2386
45°	1764	1883	1764
50°	1405	1405	1405
55°	1169	1169	1169
60°	941	941	941
65°	721	721	721
70°	614	614	614
75°	378	378	506
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1883 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1888.7	64.9
10°-20°	776.9	26.7
20°-30°	154.3	5.3
30°-40°	38.5	1.3
40°-50°	20.2	0.7
50°-60°	15.0	0.5
60°-70°	10.6	0.4
70°-80°	6.0	0.2
80°-90°	1.8	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°	2819.9	96.8
0°-40°	2858.4	98.2
0°-60°	2893.7	99.4
0°-90°	2912.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2912.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39677	39677	39677	39677	39677	
5°	25815	25549	25480	25657	25682	1885
15°	2242	2284	2286	2246	2216	769
25°	264	299	336	297	267	138
35°	52	55	59	55	50	35
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
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°	39677.1	39677.1	39677.1	39677.1	39677.1
2.5°	35790.3	35820.6	35832.3	35867.6	35998.6
5°	25814.8	25549.4	25480.5	25656.9	25682.1
7.5°	15291.7	15345.4	15542.0	15585.6	15427.7
10°	8391.6	8460.5	8450.4	8510.9	8579.7
12.5°	4291.5	4237.8	4221.0	4289.9	4194.1
15°	2242.4	2284.3	2286.0	2245.7	2215.5
17.5°	1206.0	1254.7	1335.3	1269.8	1169.0
20°	712.2	755.8	824.7	771.0	727.3
22.5°	440.1	475.3	524.1	482.1	446.8
25°	263.7	299.0	335.9	297.3	267.1
27.5°	156.2	186.4	210.0	184.8	154.5
30°	100.8	117.6	132.7	115.9	102.5
32.5°	70.5	77.3	84.0	77.3	70.5
35°	52.1	55.4	58.8	55.4	50.4
37.5°	40.3	43.7	45.4	42.0	38.6
40°	33.6	35.3	37.0	35.3	33.6
42.5°	28.6	30.2	30.2	30.2	28.6
45°	25.2	25.2	26.9	25.2	25.2
47.5°	21.8	21.8	23.5	21.8	21.8
50°	20.2	20.2	20.2	20.2	20.2
52.5°	18.5	18.5	18.5	18.5	18.5
55°	16.8	16.8	16.8	16.8	16.8
57.5°	15.1	15.1	15.1	15.1	15.1
60°	13.4	13.4	13.4	13.4	13.4
62.5°	11.8	11.8	11.8	11.8	11.8
65°	10.1	10.1	10.1	10.1	10.1
67.5°	10.1	10.1	10.1	10.1	10.1
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.0	5.0	5.0	5.0	6.7
77.5°	5.0	5.0	5.0	5.0	5.0
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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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