

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: P790784

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR3020359040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5243.0 lumens
Efficiency: N/A
Efficacy: 208.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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

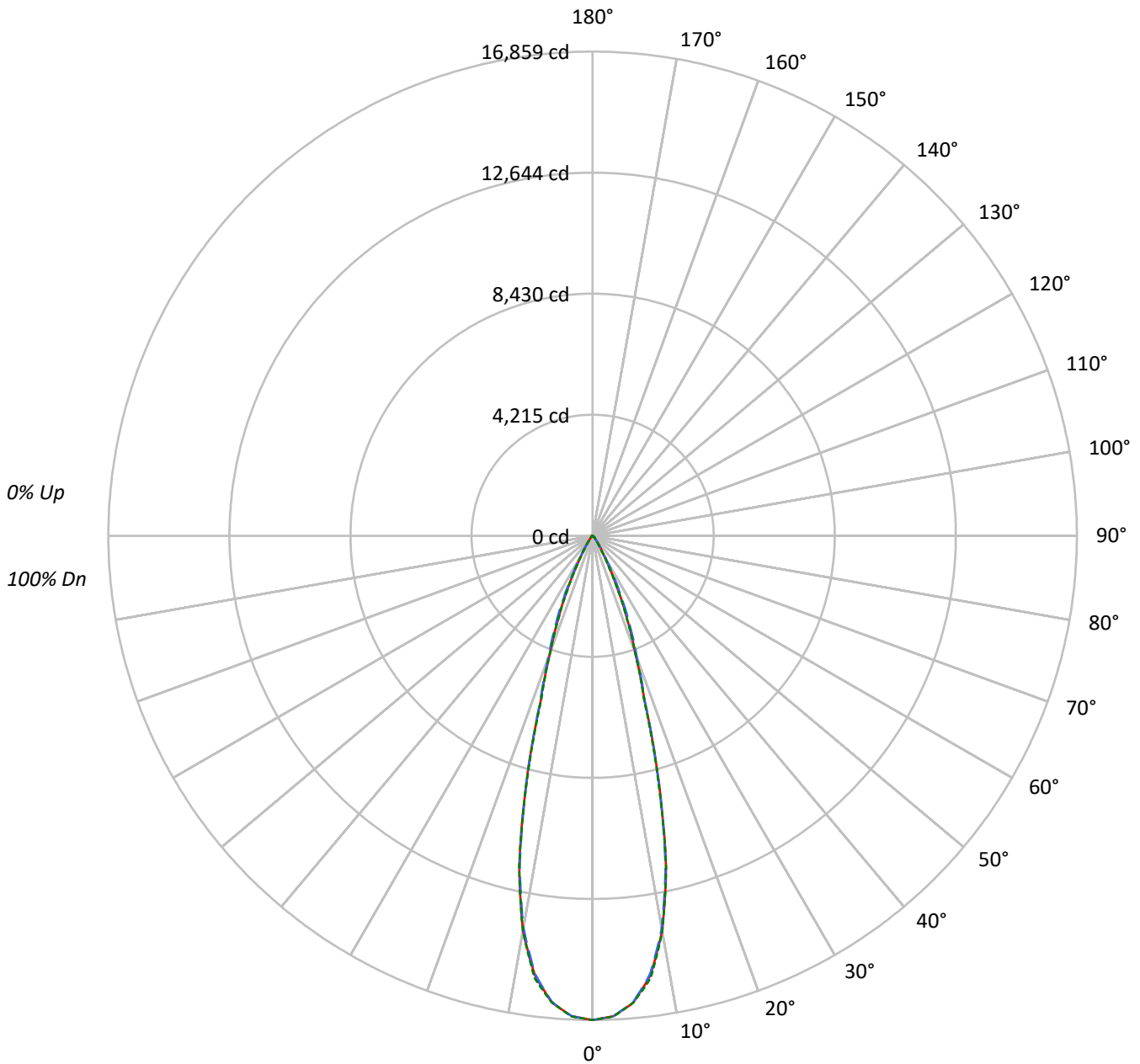


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1290430	1290430	1290430
5°	1253384	1251916	1253445
10°	1085621	1077965	1085364
15°	708311	704507	700965
20°	352215	365427	351742
25°	177417	200069	173786
30°	71035	77398	61887
35°	32948	31555	26453
40°	14229	15797	13399
45°	10035	12459	10121
50°	3453	9062	3644
55°	1988	3750	2095
60°	1393	1653	1393
65°	906	906	906
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1482.5	28.3
10°-20°	2387.5	45.5
20°-30°	1031.7	19.7
30°-40°	235.2	4.5
40°-50°	80.7	1.5
50°-60°	19.7	0.4
60°-70°	5.1	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
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°	4901.7	93.5
0°-40°	5136.9	98.0
0°-60°	5237.3	99.9
0°-90°	5243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16859	16859	16859	16859	16859	
5°	16312	16297	16293	16327	16313	1484
15°	8938	8831	8890	8862	8846	2393
25°	2101	2180	2369	2125	2058	1006
35°	353	360	338	335	283	239
45°	93	115	115	115	94	66
55°	15	16	28	17	16	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16858.8	16858.8	16858.8	16858.8	16858.8
2.5°	16747.0	16735.4	16742.1	16750.3	16753.7
5°	16312.5	16296.8	16293.4	16327.4	16313.3
7.5°	15435.9	15413.6	15379.7	15456.6	15528.6
10°	13967.6	13942.8	13869.1	13905.5	13964.3
12.5°	11799.8	11719.5	11717.9	11833.8	11818.0
15°	8938.4	8830.8	8890.4	8861.5	8845.7
17.5°	6010.8	5969.4	6048.9	6024.9	5921.4
20°	4324.0	4334.7	4486.2	4410.0	4318.2
22.5°	3155.2	3194.1	3373.7	3177.6	3105.6
25°	2100.7	2180.2	2368.9	2124.7	2057.7
27.5°	1292.1	1328.5	1519.7	1275.5	1239.1
30°	803.7	785.5	875.7	751.6	700.2
32.5°	527.3	504.1	533.0	478.4	437.0
35°	352.6	360.1	337.7	335.2	283.1
37.5°	220.2	253.3	223.5	238.4	182.1
40°	142.4	183.8	158.1	174.6	134.1
42.5°	116.7	141.5	130.0	138.2	119.2
45°	92.7	115.1	115.1	115.1	93.5
47.5°	51.3	77.0	98.5	78.6	54.6
50°	29.0	38.9	76.1	40.6	30.6
52.5°	19.9	22.3	52.1	23.2	20.7
55°	14.9	15.7	28.1	16.6	15.7
57.5°	11.6	12.4	14.9	12.4	11.6
60°	9.1	9.1	10.8	9.9	9.1
62.5°	6.6	6.6	7.4	6.6	6.6
65°	5.0	5.0	5.0	5.0	5.0
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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