

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



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: P790797

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790797
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-EC6DR3020359050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5726.6 lumens
Efficiency: N/A
Efficacy: 228.1 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

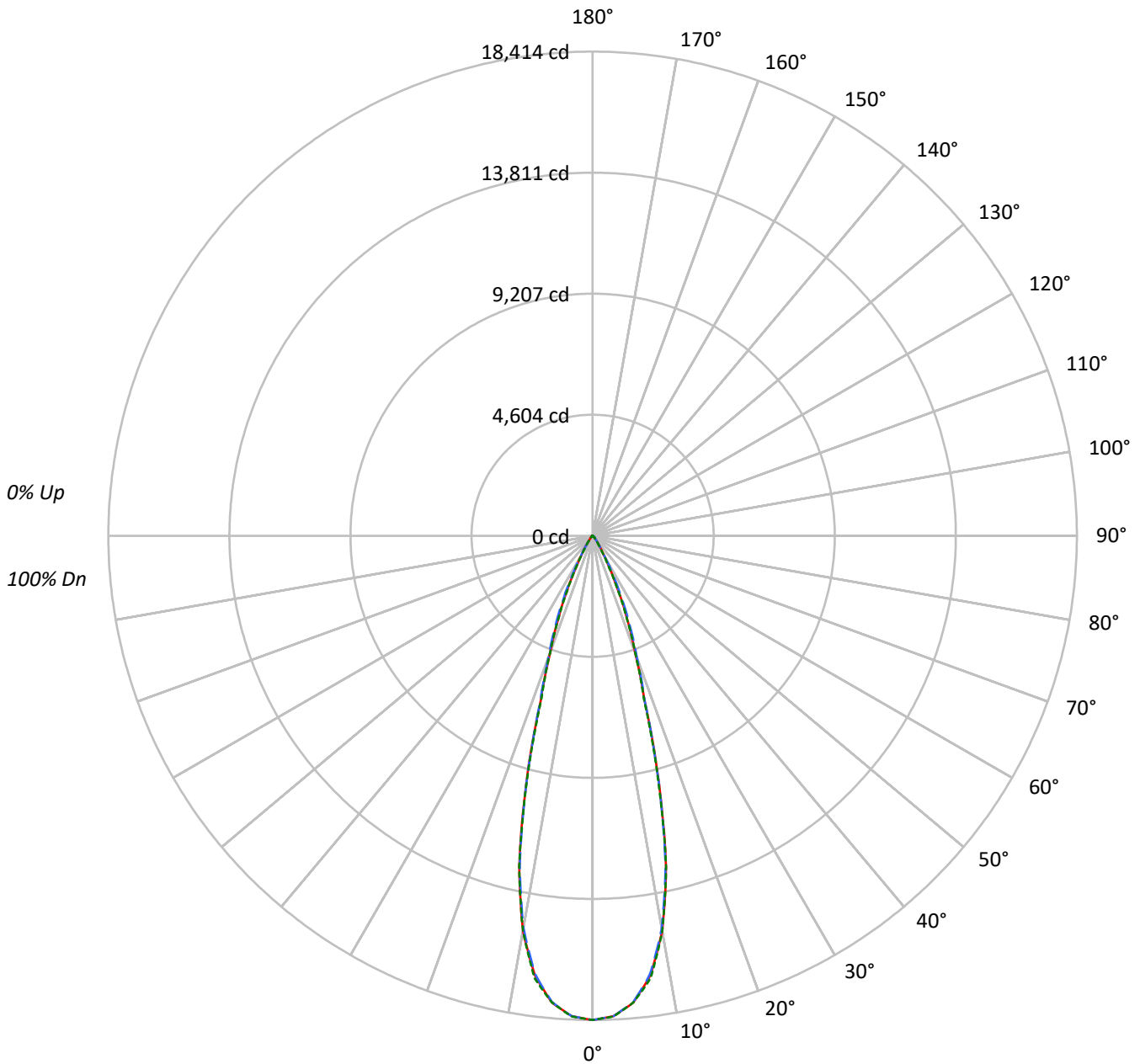


Downlight

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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°	1409447	1409447	1409447
5°	1368983	1367385	1369052
10°	1185745	1177382	1185465
15°	773639	769487	765620
20°	384691	399125	384178
25°	193785	218522	189816
30°	77584	84540	67597
35°	35985	34471	28892
40°	15538	17256	14638
45°	10966	13607	11063
50°	3763	9907	3977
55°	2175	4097	2295
60°	1516	1806	1516
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1619.2	28.3
10°-20°	2607.7	45.5
20°-30°	1126.9	19.7
30°-40°	256.8	4.5
40°-50°	88.2	1.5
50°-60°	21.5	0.4
60°-70°	5.6	0.1
70°-80°	0.6	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°	5353.8	93.5
0°-40°	5610.7	98.0
0°-60°	5720.4	99.9
0°-90°	5726.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5726.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18414	18414	18414	18414	18414	
5°	17817	17800	17796	17833	17818	1621
15°	9763	9645	9710	9679	9662	2614
25°	2294	2381	2587	2321	2248	1098
35°	385	393	369	366	309	261
45°	101	126	126	126	102	72
55°	16	17	31	18	17	16
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°	18413.7	18413.7	18413.7	18413.7	18413.7
2.5°	18291.6	18279.0	18286.2	18295.2	18298.8
5°	17817.0	17799.8	17796.2	17833.3	17817.9
7.5°	16859.6	16835.2	16798.1	16882.2	16960.8
10°	15255.8	15228.7	15148.2	15188.0	15252.2
12.5°	12888.1	12800.4	12798.6	12925.2	12908.0
15°	9762.8	9645.3	9710.4	9678.7	9661.6
17.5°	6565.2	6520.0	6606.8	6580.6	6467.6
20°	4722.7	4734.5	4899.9	4816.8	4716.4
22.5°	3446.2	3488.7	3684.9	3470.6	3392.0
25°	2294.5	2381.3	2587.4	2320.7	2247.5
27.5°	1411.2	1451.0	1659.8	1393.1	1353.4
30°	877.8	857.9	956.5	820.9	764.8
32.5°	575.9	550.6	582.2	522.5	477.3
35°	385.1	393.3	368.9	366.1	309.2
37.5°	240.5	276.6	244.1	260.4	198.9
40°	155.5	200.7	172.7	190.8	146.5
42.5°	127.5	154.6	141.9	151.0	130.2
45°	101.3	125.7	125.7	125.7	102.2
47.5°	56.1	84.1	107.6	85.9	59.7
50°	31.6	42.5	83.2	44.3	33.4
52.5°	21.7	24.4	57.0	25.3	22.6
55°	16.3	17.2	30.7	18.1	17.2
57.5°	12.7	13.6	16.3	13.6	12.7
60°	9.9	9.9	11.8	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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