

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: P790783

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790783
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-EC6DR3020359040-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4221.1 lumens
Efficiency: N/A
Efficacy: 168.2 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

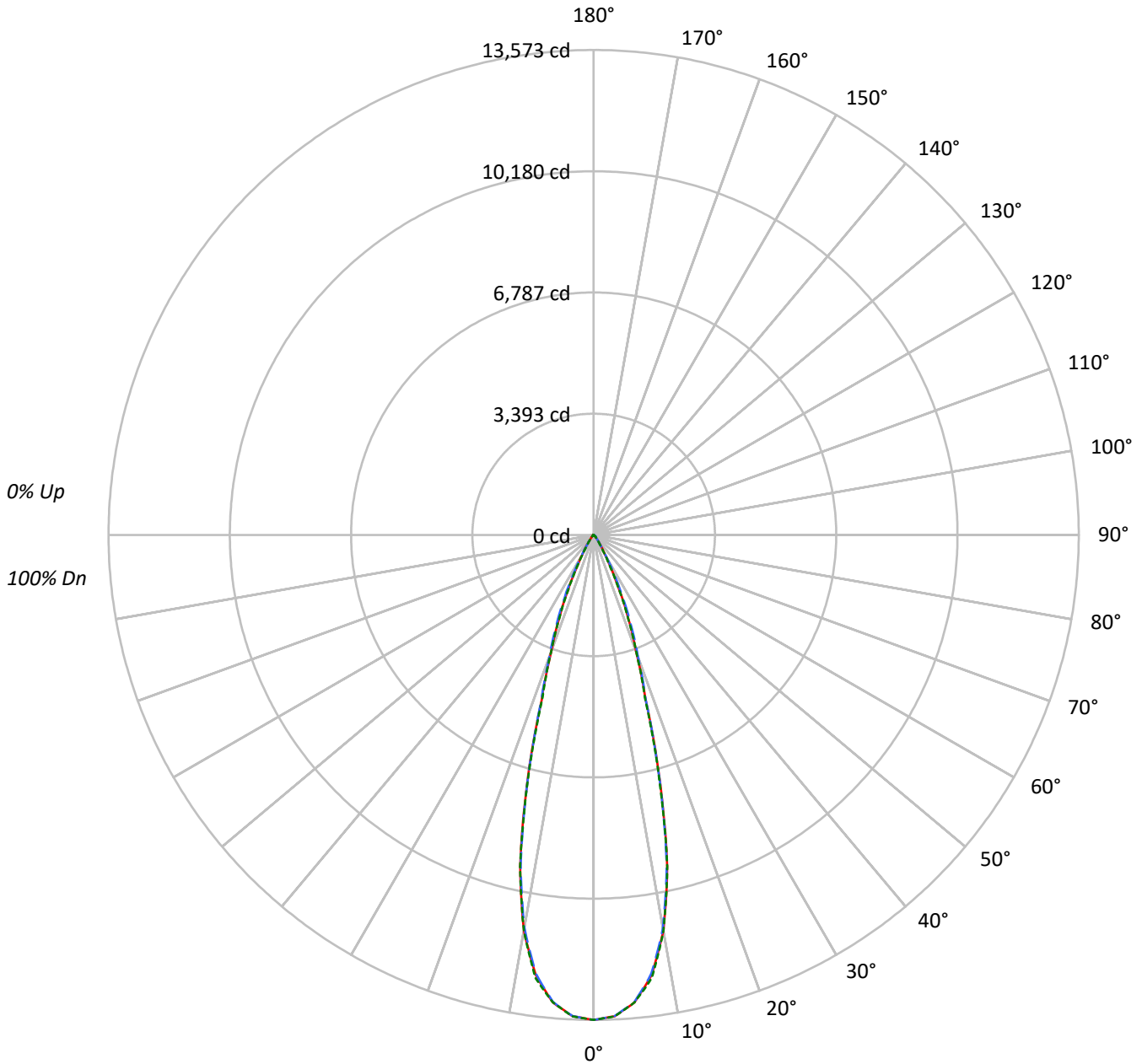
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					70					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								
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°	1038916	1038916	1038916
5°	1009092	1007909	1009138
10°	874024	867861	873814
15°	570260	567194	564341
20°	283564	294202	283181
25°	142841	161075	139910
30°	57194	62311	49831
35°	26528	25407	21295
40°	11451	12720	10791
45°	8075	10024	8151
50°	2775	7300	2941
55°	1601	3029	1695
60°	1118	1332	1118
65°	724	724	724
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 10024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1193.5	28.3
10°-20°	1922.2	45.5
20°-30°	830.6	19.7
30°-40°	189.3	4.5
40°-50°	65.0	1.5
50°-60°	15.9	0.4
60°-70°	4.1	0.1
70°-80°	0.4	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°	3946.3	93.5
0°-40°	4135.7	98.0
0°-60°	4216.6	99.9
0°-90°	4221.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4221.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13573	13573	13573	13573	13573	
5°	13133	13120	13118	13145	13134	1195
15°	7196	7110	7158	7134	7122	1927
25°	1691	1755	1907	1711	1657	810
35°	284	290	272	270	228	193
45°	75	93	93	93	75	53
55°	12	13	23	13	13	12
65°	4	4	4	4	4	4
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°	13572.9	13572.9	13572.9	13572.9	13572.9
2.5°	13482.9	13473.6	13478.9	13485.6	13488.2
5°	13133.1	13120.4	13117.7	13145.1	13133.7
7.5°	12427.4	12409.4	12382.1	12444.0	12502.0
10°	11245.2	11225.2	11165.9	11195.2	11242.5
12.5°	9499.9	9435.3	9434.0	9527.3	9514.6
15°	7196.3	7109.6	7157.6	7134.3	7121.6
17.5°	4839.3	4806.0	4869.9	4850.6	4767.3
20°	3481.2	3489.8	3611.8	3550.5	3476.5
22.5°	2540.2	2571.6	2716.2	2558.2	2500.3
25°	1691.3	1755.3	1907.2	1710.6	1656.6
27.5°	1040.2	1069.5	1223.5	1026.9	997.6
30°	647.1	632.4	705.0	605.1	563.8
32.5°	424.5	405.8	429.2	385.2	351.8
35°	283.9	289.9	271.9	269.9	227.9
37.5°	177.3	203.9	179.9	191.9	146.6
40°	114.6	147.9	127.3	140.6	108.0
42.5°	94.0	114.0	104.6	111.3	96.0
45°	74.6	92.6	92.6	92.6	75.3
47.5°	41.3	62.0	79.3	63.3	44.0
50°	23.3	31.3	61.3	32.7	24.7
52.5°	16.0	18.0	42.0	18.7	16.7
55°	12.0	12.7	22.7	13.3	12.7
57.5°	9.3	10.0	12.0	10.0	9.3
60°	7.3	7.3	8.7	8.0	7.3
62.5°	5.3	5.3	6.0	5.3	5.3
65°	4.0	4.0	4.0	4.0	4.0
67.5°	2.0	2.7	2.7	2.7	2.7
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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