

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: P790795

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790795
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-EC6DR3020359050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5113.4 lumens
Efficiency: N/A
Efficacy: 203.7 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

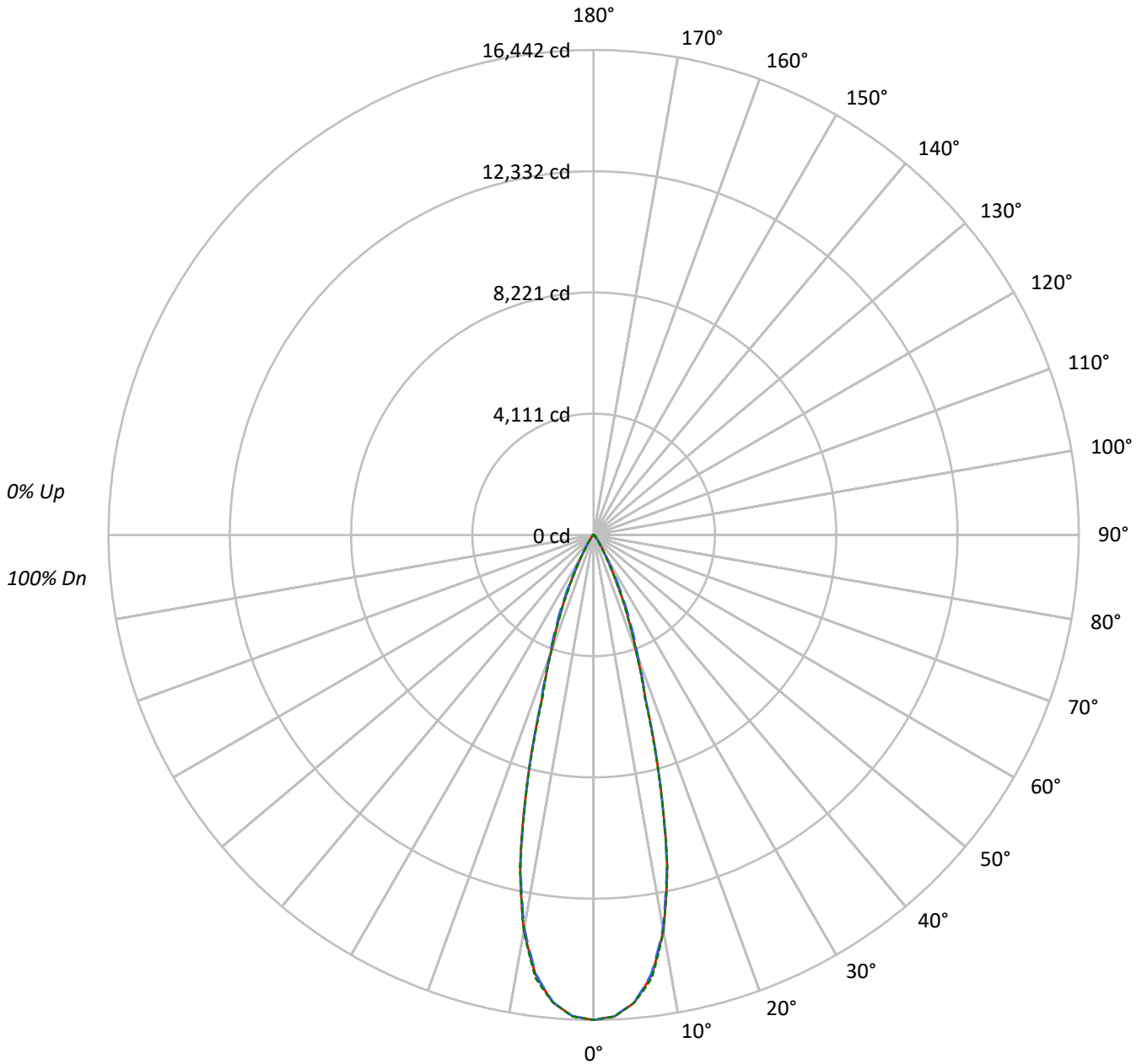
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1258534	1258534	1258534
5°	1222411	1220982	1222473
10°	1058790	1051321	1058541
15°	690806	687097	683642
20°	343507	356393	343043
25°	173034	195128	169487
30°	69276	75489	60358
35°	32135	30780	25799
40°	13869	15408	13070
45°	9786	12146	9872
50°	3370	8848	3561
55°	1935	3657	2042
60°	1362	1607	1362
65°	869	869	869
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12146 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1445.8	28.3
10°-20°	2328.5	45.5
20°-30°	1006.2	19.7
30°-40°	229.3	4.5
40°-50°	78.7	1.5
50°-60°	19.2	0.4
60°-70°	5.0	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°	4780.6	93.5
0°-40°	5009.9	98.0
0°-60°	5107.9	99.9
0°-90°	5113.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5113.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16442	16442	16442	16442	16442	
5°	15909	15894	15891	15924	15910	1447
15°	8718	8613	8671	8642	8627	2334
25°	2049	2126	2310	2072	2007	981
35°	344	351	329	327	276	233
45°	90	112	112	112	91	64
55°	14	15	27	16	15	14
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°	16442.1	16442.1	16442.1	16442.1	16442.1
2.5°	16333.2	16321.9	16328.3	16336.4	16339.6
5°	15909.4	15894.0	15890.8	15923.9	15910.2
7.5°	15054.5	15032.7	14999.6	15074.7	15144.9
10°	13622.4	13598.2	13526.3	13561.9	13619.2
12.5°	11508.2	11429.9	11428.3	11541.3	11526.0
15°	8717.5	8612.6	8670.7	8642.5	8627.1
17.5°	5862.3	5821.9	5899.4	5876.0	5775.1
20°	4217.1	4227.6	4375.3	4301.0	4211.4
22.5°	3077.3	3115.2	3290.4	3099.0	3028.8
25°	2048.8	2126.3	2310.4	2072.2	2006.8
27.5°	1260.1	1295.6	1482.1	1244.0	1208.5
30°	783.8	766.1	854.1	733.0	682.9
32.5°	514.2	491.6	519.9	466.6	426.2
35°	343.9	351.2	329.4	326.9	276.1
37.5°	214.7	247.0	218.0	232.5	177.6
40°	138.8	179.2	154.2	170.3	130.8
42.5°	113.8	138.0	126.7	134.8	116.2
45°	90.4	112.2	112.2	112.2	91.2
47.5°	50.0	75.1	96.1	76.7	53.3
50°	28.3	37.9	74.3	39.6	29.9
52.5°	19.4	21.8	50.9	22.6	20.2
55°	14.5	15.3	27.4	16.1	15.3
57.5°	11.3	12.1	14.5	12.1	11.3
60°	8.9	8.9	10.5	9.7	8.9
62.5°	6.5	6.5	7.3	6.5	6.5
65°	4.8	4.8	4.8	4.8	4.8
67.5°	2.4	3.2	3.2	3.2	3.2
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	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

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Scaled Data Report





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

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