

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: P794707

Luminaire Tested: LER6D65D010-EC6DR3055659030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794707
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: LER6D65D010-EC6DR3055659030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7631.7 lumens
Efficiency: N/A
Efficacy: 104.8 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

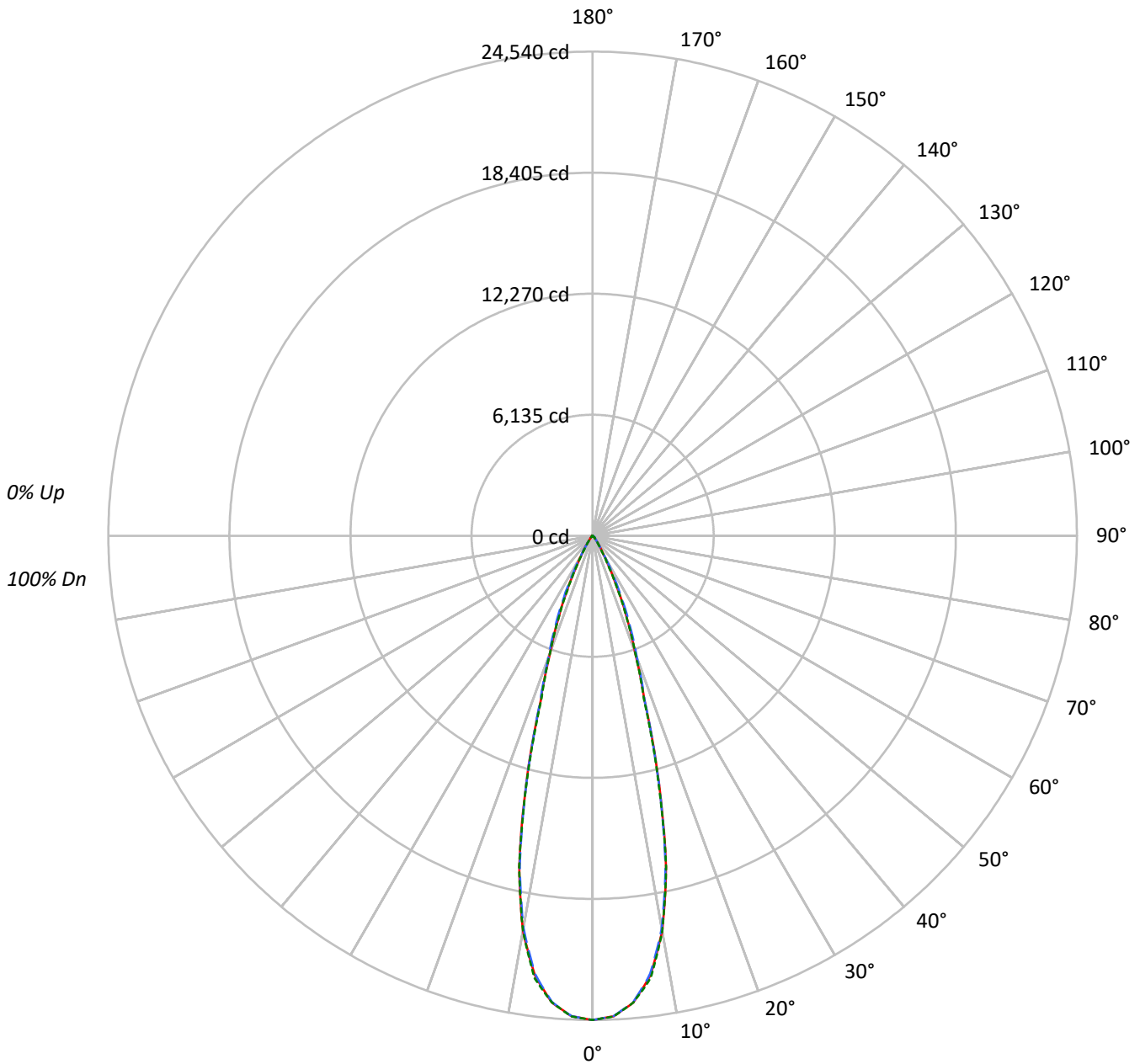
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1878360	1878360	1878360
5°	1824435	1822306	1824527
10°	1580242	1569096	1579861
15°	1031030	1025491	1020332
20°	512683	531914	511998
25°	258250	291222	252963
30°	103401	112664	90091
35°	47964	45936	38498
40°	20703	22992	19504
45°	14603	18132	14733
50°	5025	13194	5311
55°	2896	5471	3056
60°	2036	2403	2036
65°	1304	1304	1304
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2157.9	28.3
10°-20°	3475.3	45.5
20°-30°	1501.8	19.7
30°-40°	342.3	4.5
40°-50°	117.5	1.5
50°-60°	28.7	0.4
60°-70°	7.4	0.1
70°-80°	0.8	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°	7135.0	93.5
0°-40°	7477.3	98.0
0°-60°	7623.5	99.9
0°-90°	7631.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7631.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24540	24540	24540	24540	24540	
5°	23745	23722	23717	23766	23746	2160
15°	13011	12854	12941	12899	12876	3484
25°	3058	3174	3448	3093	2995	1464
35°	513	524	492	488	412	348
45°	135	168	168	168	136	96
55°	22	23	41	24	23	21
65°	7	7	7	7	7	7
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°	24539.8	24539.8	24539.8	24539.8	24539.8
2.5°	24377.1	24360.3	24369.9	24382.0	24386.8
5°	23744.6	23721.7	23716.9	23766.3	23745.8
7.5°	22468.7	22436.2	22386.8	22498.8	22603.7
10°	20331.4	20295.2	20188.0	20241.0	20326.5
12.5°	17175.9	17059.1	17056.7	17225.3	17202.4
15°	13010.9	12854.2	12941.0	12898.8	12875.9
17.5°	8749.4	8689.2	8804.8	8769.9	8619.3
20°	6294.0	6309.6	6530.1	6419.3	6285.6
22.5°	4592.8	4649.4	4910.9	4625.3	4520.5
25°	3057.8	3173.5	3448.2	3092.8	2995.2
27.5°	1880.7	1933.7	2212.1	1856.6	1803.6
30°	1169.9	1143.4	1274.7	1094.0	1019.3
32.5°	767.5	733.7	775.9	696.4	636.1
35°	513.3	524.1	491.6	488.0	412.0
37.5°	320.5	368.7	325.3	347.0	265.1
40°	207.2	267.5	230.1	254.2	195.2
42.5°	169.9	206.0	189.2	201.2	173.5
45°	134.9	167.5	167.5	167.5	136.1
47.5°	74.7	112.0	143.4	114.5	79.5
50°	42.2	56.6	110.8	59.0	44.6
52.5°	28.9	32.5	75.9	33.7	30.1
55°	21.7	22.9	41.0	24.1	22.9
57.5°	16.9	18.1	21.7	18.1	16.9
60°	13.3	13.3	15.7	14.5	13.3
62.5°	9.6	9.6	10.8	9.6	9.6
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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