

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: P794243

Luminaire Tested: LER6D60D010-EC6DR3055659040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794243
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: LER6D60D010-EC6DR3055659040-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 7299.1 lumens
Efficiency: N/A
Efficacy: 113.3 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): 64.4
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

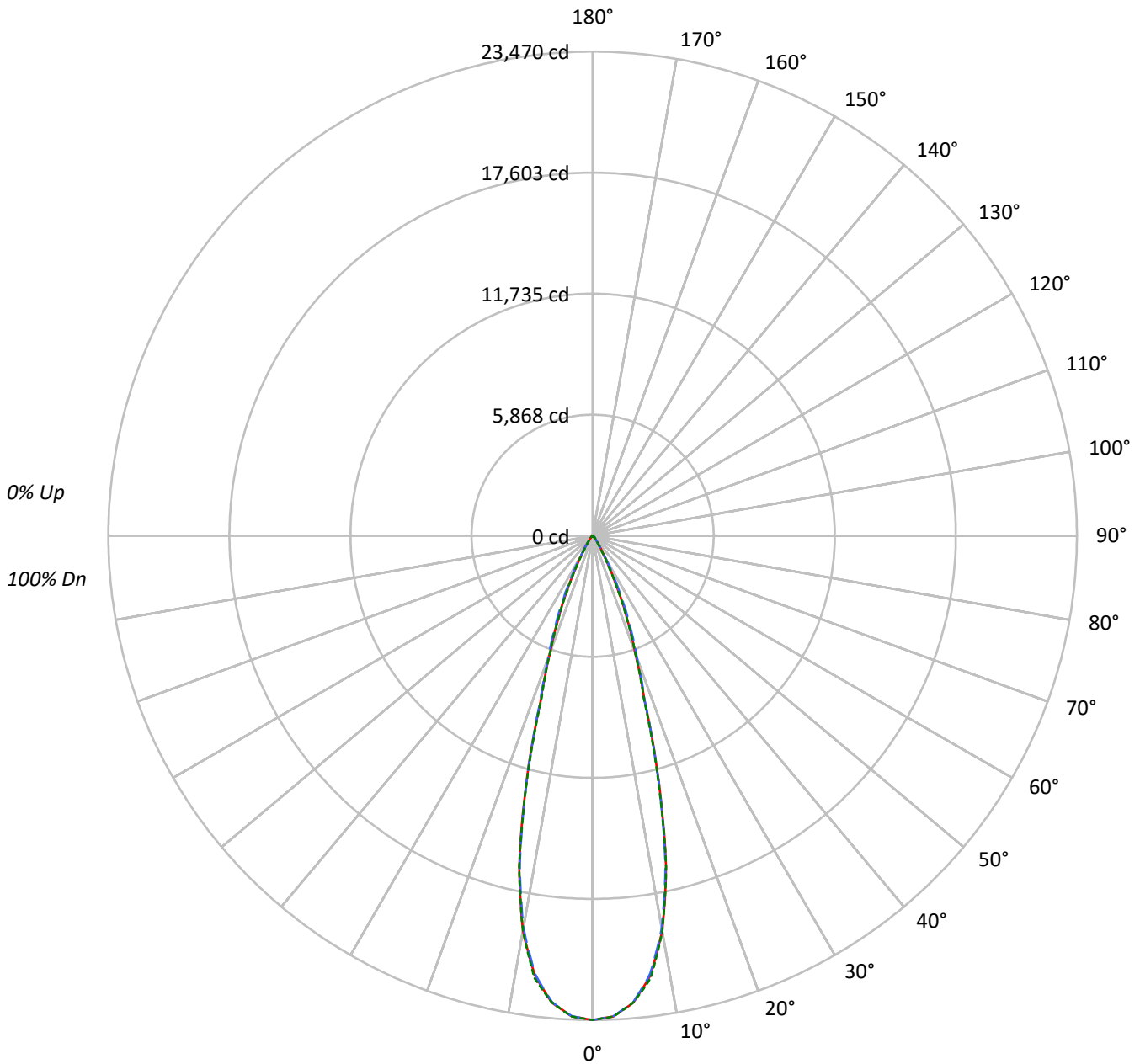


Downlight

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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°	1796489	1796489	1796489
5°	1744917	1742881	1745010
10°	1511363	1500707	1511005
15°	986091	980790	975861
20°	490339	508732	489680
25°	247001	278528	241933
30°	98894	107750	86166
35°	45871	43927	36826
40°	19804	21992	18655
45°	13975	17341	14094
50°	4799	12623	5073
55°	2762	5231	2923
60°	1944	2296	1944
65°	1250	1250	1250
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2063.8	28.3
10°-20°	3323.9	45.5
20°-30°	1436.3	19.7
30°-40°	327.4	4.5
40°-50°	112.4	1.5
50°-60°	27.5	0.4
60°-70°	7.1	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°	6824.0	93.5
0°-40°	7151.4	98.0
0°-60°	7291.3	99.9
0°-90°	7299.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7299.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23470	23470	23470	23470	23470	
5°	22710	22688	22683	22730	22711	2066
15°	12444	12294	12377	12337	12315	3332
25°	2925	3035	3298	2958	2865	1400
35°	491	501	470	467	394	333
45°	129	160	160	160	130	92
55°	21	22	39	23	22	20
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°	23470.2	23470.2	23470.2	23470.2	23470.2
2.5°	23314.7	23298.5	23307.7	23319.3	23323.9
5°	22709.7	22687.8	22683.2	22730.4	22710.9
7.5°	21489.4	21458.3	21411.0	21518.2	21618.5
10°	19445.2	19410.6	19308.1	19358.8	19440.6
12.5°	16427.3	16315.5	16313.2	16474.6	16452.7
15°	12443.8	12294.0	12376.9	12336.6	12314.7
17.5°	8368.1	8310.4	8421.1	8387.7	8243.6
20°	6019.7	6034.6	6245.5	6139.5	6011.6
22.5°	4392.6	4446.8	4696.8	4423.7	4323.5
25°	2924.6	3035.2	3297.9	2958.0	2864.6
27.5°	1798.8	1849.5	2115.6	1775.7	1725.0
30°	1118.9	1093.5	1219.1	1046.3	974.9
32.5°	734.0	701.8	742.1	666.0	608.4
35°	490.9	501.3	470.1	466.7	394.1
37.5°	306.5	352.6	311.1	331.9	253.5
40°	198.2	255.8	220.1	243.1	186.7
42.5°	162.5	197.0	180.9	192.4	165.9
45°	129.1	160.2	160.2	160.2	130.2
47.5°	71.4	107.2	137.1	109.5	76.1
50°	40.3	54.2	106.0	56.5	42.6
52.5°	27.7	31.1	72.6	32.3	28.8
55°	20.7	21.9	39.2	23.0	21.9
57.5°	16.1	17.3	20.7	17.3	16.1
60°	12.7	12.7	15.0	13.8	12.7
62.5°	9.2	9.2	10.4	9.2	9.2
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.5	4.6	4.6	4.6	4.6
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	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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