

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: P794250

Luminaire Tested: LER6D60D010-EC6DR3055659050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794250
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-EC6DR3055659050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6644.6 lumens
Efficiency: N/A
Efficacy: 103.2 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): 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

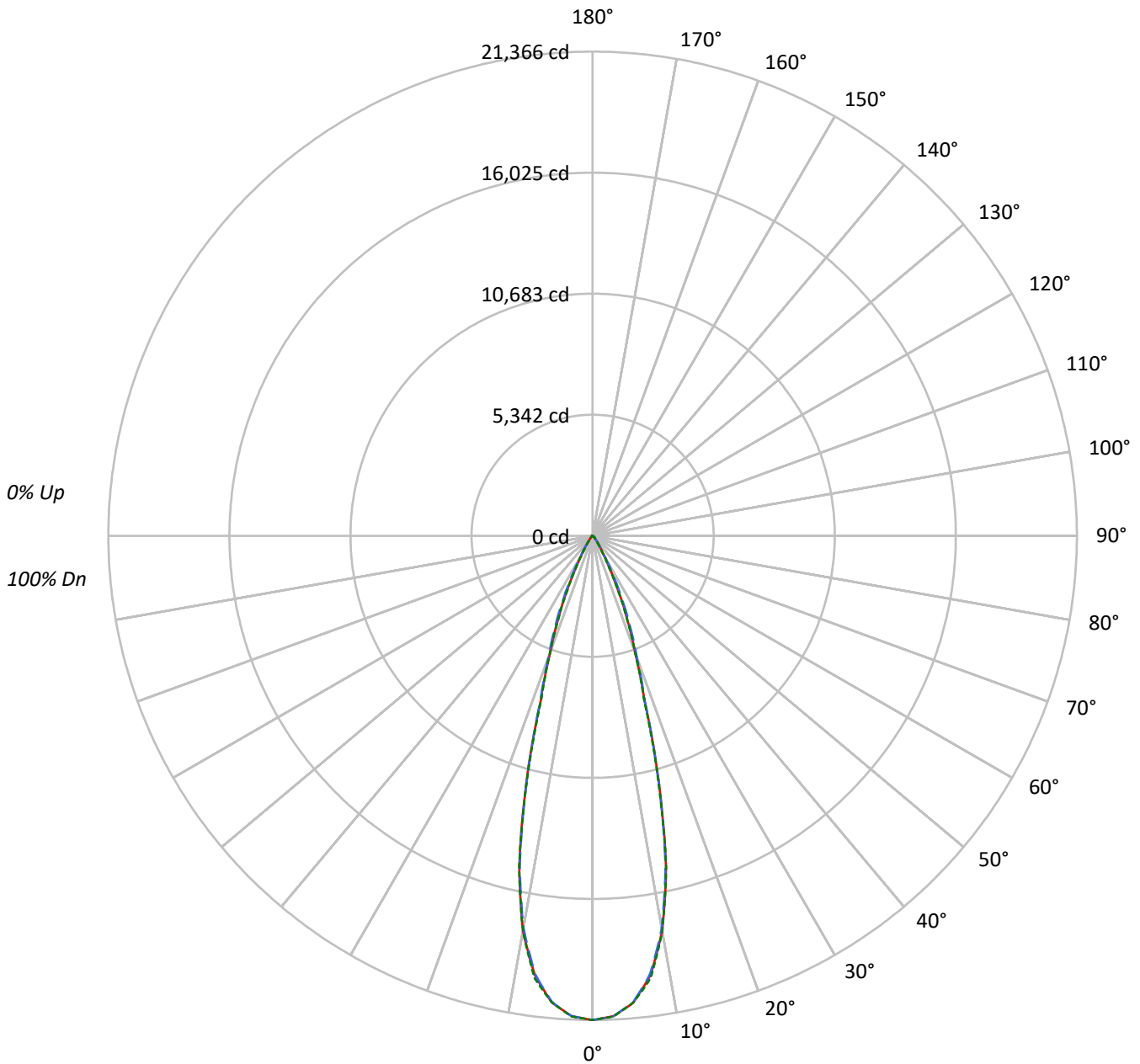


Downlight

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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	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°	1635403	1635403	1635403
5°	1588449	1586597	1588534
10°	1375843	1366135	1375516
15°	897671	892845	888360
20°	446370	463117	445767
25°	224848	253555	220245
30°	90029	98089	78433
35°	41759	39993	33527
40°	18026	20024	16976
45°	12719	15783	12827
50°	4370	11491	4620
55°	2522	4764	2656
60°	1760	2082	1760
65°	1141	1141	1141
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15783 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1878.8	28.3
10°-20°	3025.8	45.5
20°-30°	1307.5	19.7
30°-40°	298.0	4.5
40°-50°	102.3	1.5
50°-60°	25.0	0.4
60°-70°	6.5	0.1
70°-80°	0.7	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°	6212.1	93.5
0°-40°	6510.1	98.0
0°-60°	6637.4	99.9
0°-90°	6644.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6644.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21366	21366	21366	21366	21366	
5°	20673	20653	20649	20692	20674	1880
15°	11328	11192	11267	11230	11210	3033
25°	2662	2763	3002	2693	2608	1274
35°	447	456	428	425	359	303
45°	118	146	146	146	118	83
55°	19	20	36	21	20	18
65°	6	6	6	6	6	6
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°	21365.7	21365.7	21365.7	21365.7	21365.7
2.5°	21224.0	21209.4	21217.7	21228.2	21232.4
5°	20673.3	20653.4	20649.2	20692.2	20674.4
7.5°	19562.5	19534.1	19491.1	19588.7	19679.9
10°	17701.6	17670.1	17576.7	17622.9	17697.4
12.5°	14954.3	14852.5	14850.4	14997.3	14977.4
15°	11328.0	11191.6	11267.1	11230.4	11210.5
17.5°	7617.7	7565.3	7666.0	7635.5	7504.4
20°	5479.9	5493.5	5685.5	5589.0	5472.5
22.5°	3998.7	4048.0	4275.6	4027.0	3935.8
25°	2662.3	2763.0	3002.2	2692.7	2607.8
27.5°	1637.5	1683.6	1925.9	1616.5	1570.3
30°	1018.6	995.5	1109.8	952.5	887.4
32.5°	668.2	638.8	675.5	606.3	553.9
35°	446.9	456.3	428.0	424.8	358.8
37.5°	279.0	321.0	283.2	302.1	230.8
40°	180.4	232.9	200.4	221.3	169.9
42.5°	147.9	179.4	164.7	175.2	151.1
45°	117.5	145.8	145.8	145.8	118.5
47.5°	65.0	97.6	124.8	99.7	69.2
50°	36.7	49.3	96.5	51.4	38.8
52.5°	25.2	28.3	66.1	29.4	26.2
55°	18.9	19.9	35.7	21.0	19.9
57.5°	14.7	15.7	18.9	15.7	14.7
60°	11.5	11.5	13.6	12.6	11.5
62.5°	8.4	8.4	9.4	8.4	8.4
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.1	4.2	4.2	4.2	4.2
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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