

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: P794238

Luminaire Tested: LER6D60D010-EC6DR3055659035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794238
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-EC6DR3055659035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7069.6 lumens
Efficiency: N/A
Efficacy: 109.8 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): 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

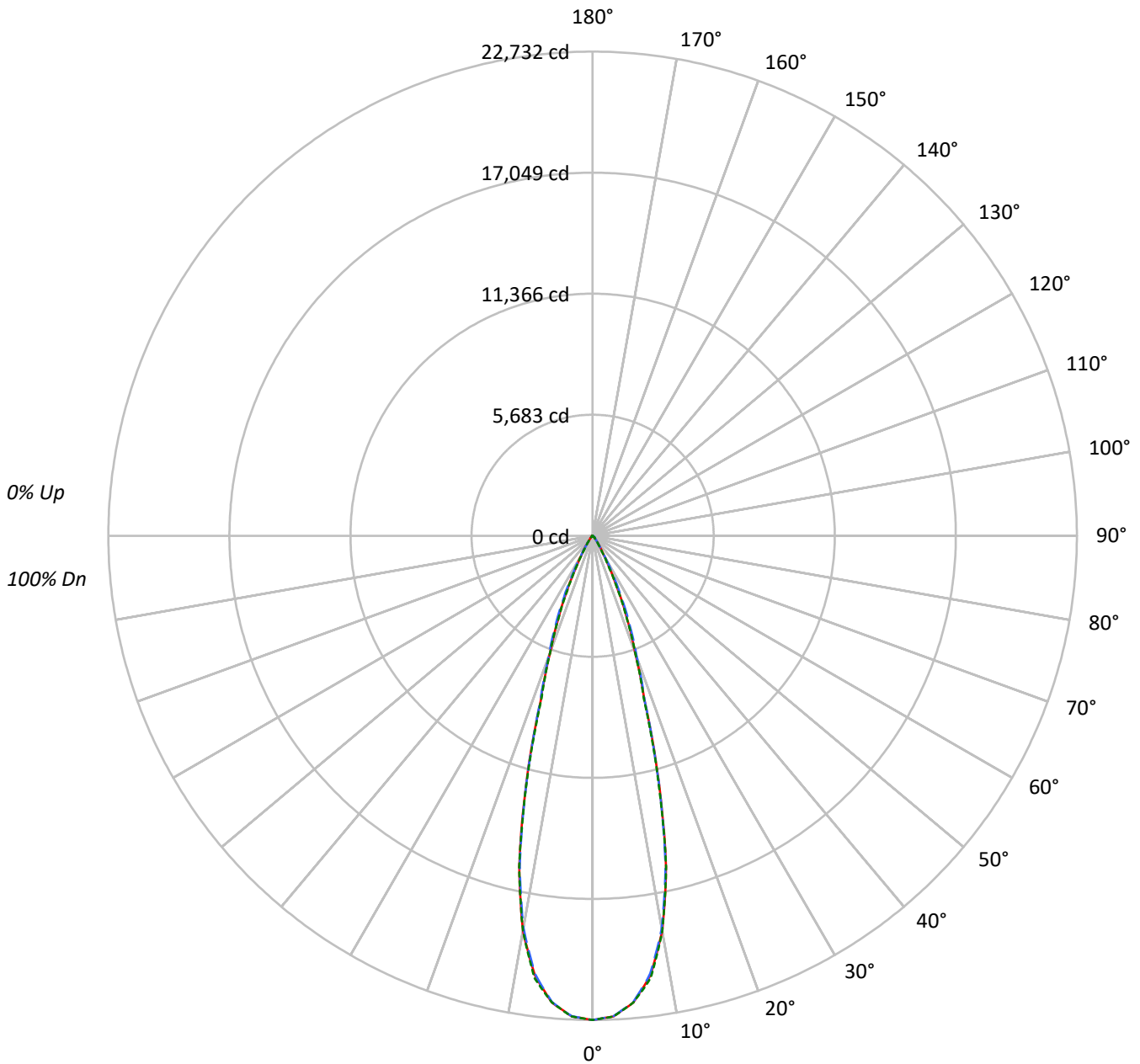


Downlight

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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°	1740000	1740000	1740000
5°	1690049	1688074	1690134
10°	1463834	1453513	1463492
15°	955083	949948	945177
20°	474920	492734	474284
25°	239231	269770	234332
30°	95782	104365	83453
35°	44422	42554	35667
40°	19185	21303	18066
45°	13531	16789	13650
50°	4656	12230	4918
55°	2682	5058	2829
60°	1883	2220	1883
65°	1213	1213	1213
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16789 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1999.0	28.3
10°-20°	3219.3	45.5
20°-30°	1391.2	19.7
30°-40°	317.1	4.5
40°-50°	108.9	1.5
50°-60°	26.6	0.4
60°-70°	6.9	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°	6609.4	93.5
0°-40°	6926.5	98.0
0°-60°	7062.0	99.9
0°-90°	7069.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7069.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22732	22732	22732	22732	22732	
5°	21996	21974	21970	22016	21997	2001
15°	12052	11907	11988	11949	11928	3227
25°	2833	2940	3194	2865	2775	1356
35°	475	486	455	452	382	322
45°	125	155	155	155	126	89
55°	20	21	38	22	21	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°	22732.2	22732.2	22732.2	22732.2	22732.2
2.5°	22581.5	22565.9	22574.8	22586.0	22590.4
5°	21995.6	21974.4	21969.9	22015.7	21996.7
7.5°	20813.7	20783.5	20737.8	20841.6	20938.7
10°	18833.7	18800.3	18700.9	18750.0	18829.3
12.5°	15910.7	15802.5	15800.3	15956.5	15935.3
15°	12052.5	11907.4	11987.7	11948.7	11927.5
17.5°	8104.9	8049.1	8156.3	8123.9	7984.4
20°	5830.4	5844.9	6049.1	5946.4	5822.6
22.5°	4254.5	4306.9	4549.1	4284.6	4187.5
25°	2832.6	2939.7	3194.2	2865.0	2774.6
27.5°	1742.2	1791.3	2049.1	1719.9	1670.8
30°	1083.7	1059.2	1180.8	1013.4	944.2
32.5°	710.9	679.7	718.8	645.1	589.3
35°	475.4	485.5	455.4	452.0	381.7
37.5°	296.9	341.5	301.3	321.4	245.5
40°	192.0	247.8	213.2	235.5	180.8
42.5°	157.4	190.8	175.2	186.4	160.7
45°	125.0	155.1	155.1	155.1	126.1
47.5°	69.2	103.8	132.8	106.0	73.7
50°	39.1	52.5	102.7	54.7	41.3
52.5°	26.8	30.1	70.3	31.3	27.9
55°	20.1	21.2	37.9	22.3	21.2
57.5°	15.6	16.7	20.1	16.7	15.6
60°	12.3	12.3	14.5	13.4	12.3
62.5°	8.9	8.9	10.0	8.9	8.9
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.3	4.5	4.5	4.5	4.5
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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