

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: P790074

Luminaire Tested: LER6D20D010-EC6DR1515309050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR1515309050-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2011.1 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 23.1
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

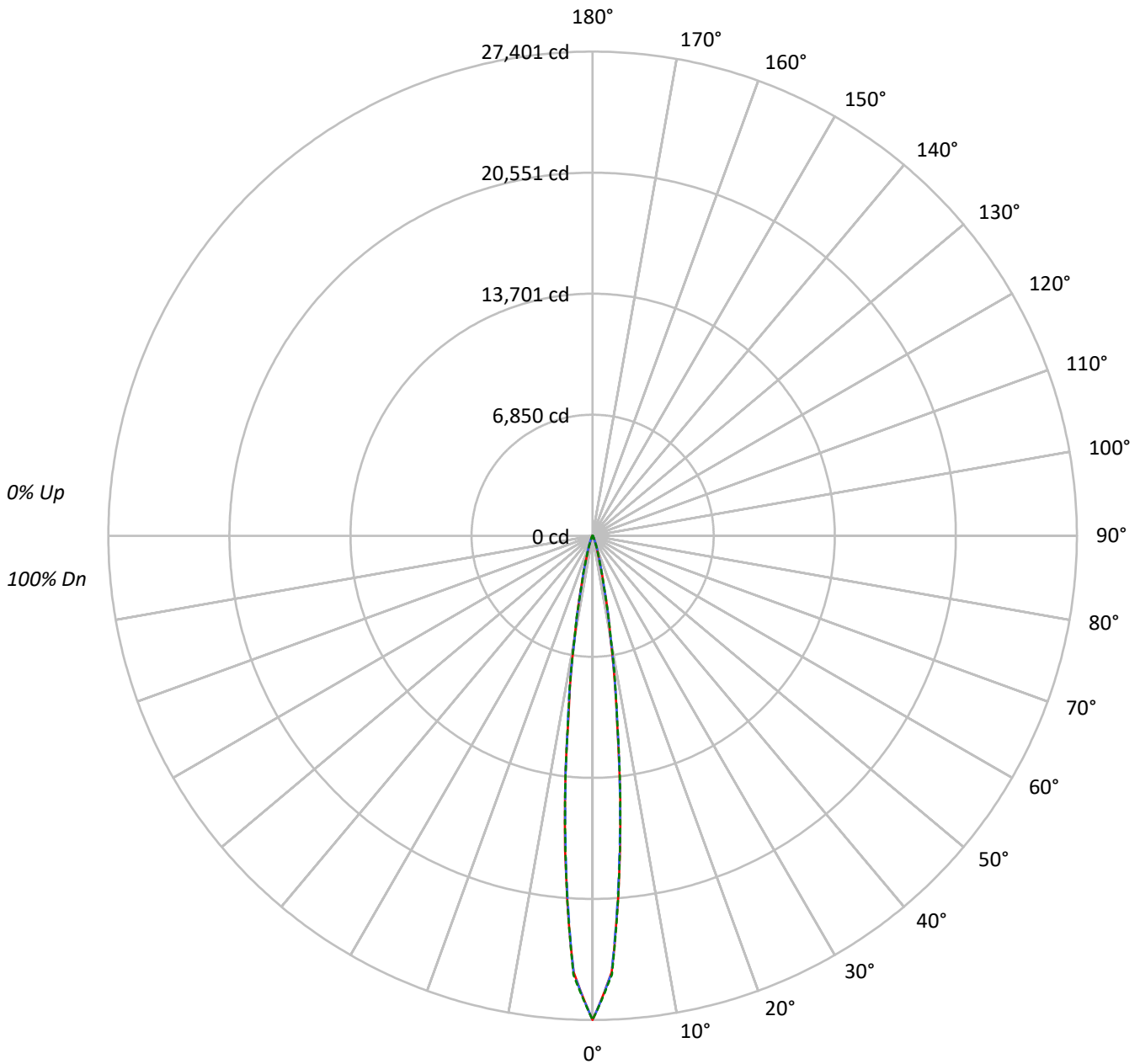


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3083170	3083170	3083170
5°	1811810	1788354	1802500
10°	540745	544534	552866
15°	134507	137121	132891
20°	40240	46606	41100
25°	14186	18073	14365
30°	5212	6859	5302
35°	2614	2948	2527
40°	1648	1811	1648
45°	1218	1302	1218
50°	967	967	967
55°	807	807	807
60°	653	653	653
65°	500	500	500
70°	424	424	424
75°	265	265	348
80°	181	181	181
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1302 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1304.3	64.9
10°-20°	536.5	26.7
20°-30°	106.6	5.3
30°-40°	26.6	1.3
40°-50°	14.0	0.7
50°-60°	10.4	0.5
60°-70°	7.3	0.4
70°-80°	4.2	0.2
80°-90°	1.3	0.1
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°	1947.4	96.8
0°-40°	1974.0	98.2
0°-60°	1998.4	99.4
0°-90°	2011.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2011.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27401	27401	27401	27401	27401	
5°	17828	17644	17597	17719	17736	1302
15°	1549	1578	1579	1551	1530	531
25°	182	206	232	205	184	96
35°	36	38	41	38	35	24
45°	17	17	19	17	17	14
55°	12	12	12	12	12	10
65°	7	7	7	7	7	7
75°	4	4	4	4	5	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27401.1	27401.1	27401.1	27401.1	27401.1
2.5°	24716.9	24737.7	24745.9	24770.2	24860.7
5°	17827.7	17644.5	17596.9	17718.7	17736.1
7.5°	10560.5	10597.6	10733.3	10763.5	10654.4
10°	5795.3	5842.8	5835.9	5877.6	5925.2
12.5°	2963.8	2926.6	2915.0	2962.6	2896.5
15°	1548.6	1577.6	1578.7	1550.9	1530.0
17.5°	832.9	866.5	922.2	876.9	807.3
20°	491.8	522.0	569.6	532.4	502.3
22.5°	303.9	328.3	361.9	332.9	308.6
25°	182.1	206.5	232.0	205.3	184.4
27.5°	107.9	128.8	145.0	127.6	106.7
30°	69.6	81.2	91.6	80.0	70.8
32.5°	48.7	53.4	58.0	53.4	48.7
35°	36.0	38.3	40.6	38.3	34.8
37.5°	27.8	30.2	31.3	29.0	26.7
40°	23.2	24.4	25.5	24.4	23.2
42.5°	19.7	20.9	20.9	20.9	19.7
45°	17.4	17.4	18.6	17.4	17.4
47.5°	15.1	15.1	16.2	15.1	15.1
50°	13.9	13.9	13.9	13.9	13.9
52.5°	12.8	12.8	12.8	12.8	12.8
55°	11.6	11.6	11.6	11.6	11.6
57.5°	10.4	10.4	10.4	10.4	10.4
60°	9.3	9.3	9.3	9.3	9.3
62.5°	8.1	8.1	8.1	8.1	8.1
65°	7.0	7.0	7.0	7.0	7.0
67.5°	7.0	7.0	7.0	7.0	7.0
70°	5.8	5.8	5.8	5.8	5.8
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.5	3.5	3.5	3.5	4.6
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2
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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