

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: P790176

Luminaire Tested: LER6D20D010-EC6DR3020359024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790176
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: LER6D20D010-EC6DR3020359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2851.6 lumens
Efficiency: N/A
Efficacy: 123.4 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): 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

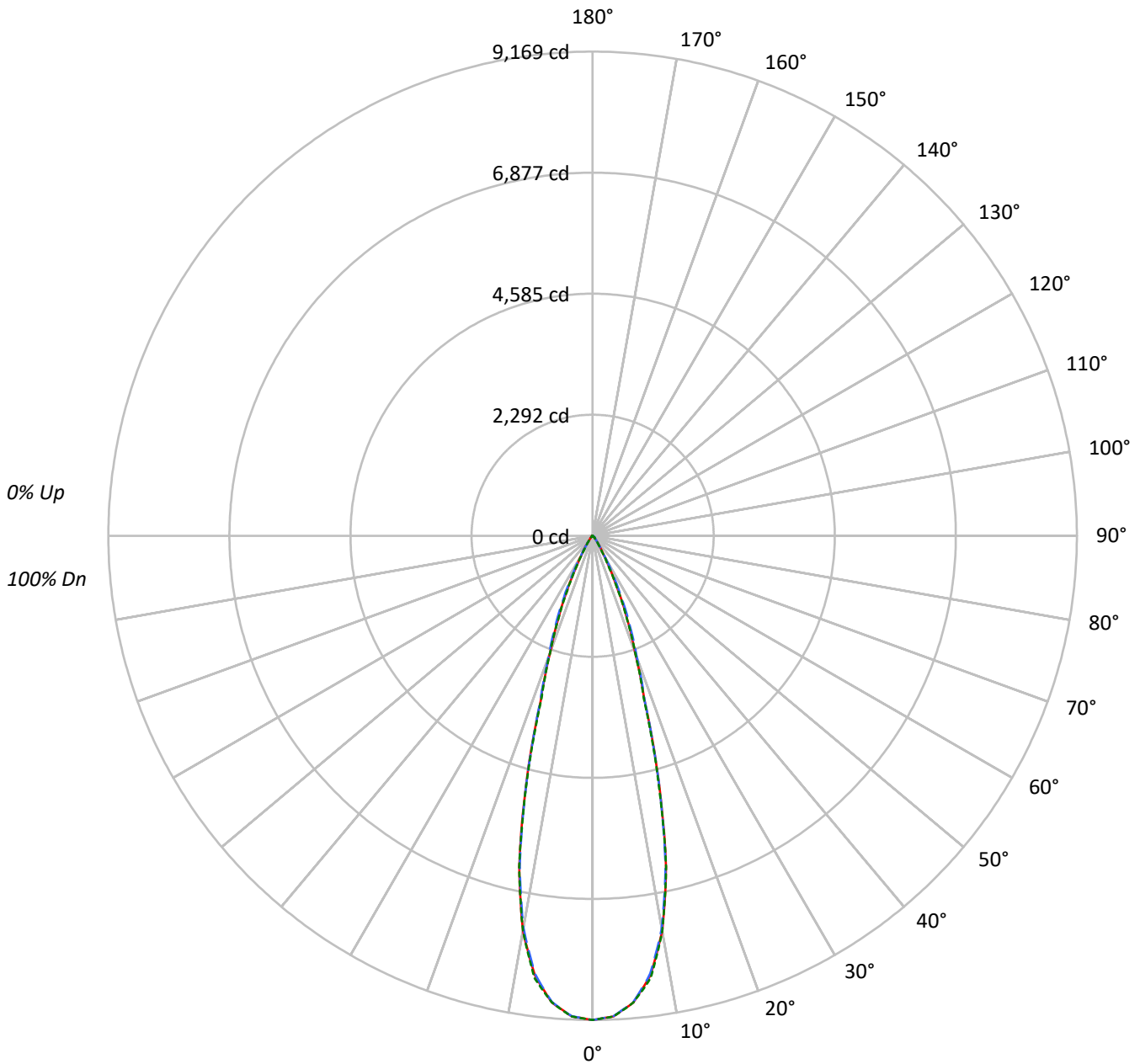


Downlight

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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	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°	701842	701842	701842
5°	681695	680896	681725
10°	590447	586289	590308
15°	385243	383174	381241
20°	191560	198752	191307
25°	96491	108813	94515
30°	38633	42098	33657
35°	17922	17165	14390
40°	7734	8593	7284
45°	5456	6776	5510
50°	1881	4930	1989
55°	1081	2042	1148
60°	765	903	765
65°	489	489	489
70°	313	201	313
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6776 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.3	28.3
10°-20°	1298.5	45.5
20°-30°	561.1	19.7
30°-40°	127.9	4.5
40°-50°	43.9	1.5
50°-60°	10.7	0.4
60°-70°	2.8	0.1
70°-80°	0.3	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°	2666.0	93.5
0°-40°	2793.9	98.0
0°-60°	2848.5	99.9
0°-90°	2851.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2851.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9169	9169	9169	9169	9169	
5°	8872	8864	8862	8880	8872	807
15°	4862	4803	4835	4820	4811	1302
25°	1142	1186	1288	1156	1119	547
35°	192	196	184	182	154	130
45°	50	63	63	63	51	36
55°	8	9	15	9	9	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	9169.2	9169.2	9169.2	9169.2	9169.2
2.5°	9108.4	9102.1	9105.7	9110.2	9112.0
5°	8872.1	8863.5	8861.7	8880.2	8872.5
7.5°	8395.4	8383.2	8364.7	8406.6	8445.8
10°	7596.7	7583.2	7543.2	7563.0	7594.9
12.5°	6417.7	6374.1	6373.2	6436.2	6427.6
15°	4861.5	4802.9	4835.4	4819.6	4811.0
17.5°	3269.2	3246.7	3289.9	3276.8	3220.6
20°	2351.7	2357.6	2440.0	2398.5	2348.6
22.5°	1716.1	1737.2	1834.9	1728.2	1689.1
25°	1142.5	1185.8	1288.4	1155.6	1119.1
27.5°	702.7	722.5	826.5	693.7	673.9
30°	437.1	427.2	476.3	408.8	380.8
32.5°	286.8	274.2	289.9	260.2	237.7
35°	191.8	195.8	183.7	182.3	154.0
37.5°	119.7	137.8	121.5	129.7	99.0
40°	77.4	99.9	86.0	95.0	72.9
42.5°	63.5	77.0	70.7	75.2	64.8
45°	50.4	62.6	62.6	62.6	50.9
47.5°	27.9	41.9	53.6	42.8	29.7
50°	15.8	21.2	41.4	22.1	16.7
52.5°	10.8	12.2	28.4	12.6	11.3
55°	8.1	8.6	15.3	9.0	8.6
57.5°	6.3	6.8	8.1	6.8	6.3
60°	5.0	5.0	5.9	5.4	5.0
62.5°	3.6	3.6	4.1	3.6	3.6
65°	2.7	2.7	2.7	2.7	2.7
67.5°	1.4	1.8	1.8	1.8	1.8
70°	1.4	0.9	0.9	0.9	1.4
72.5°	0.9	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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