

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: P790201

Luminaire Tested: LER6D20D010-EC6DR3020359035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790201
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-EC6DR3020359035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3623.0 lumens
Efficiency: N/A
Efficacy: 156.8 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

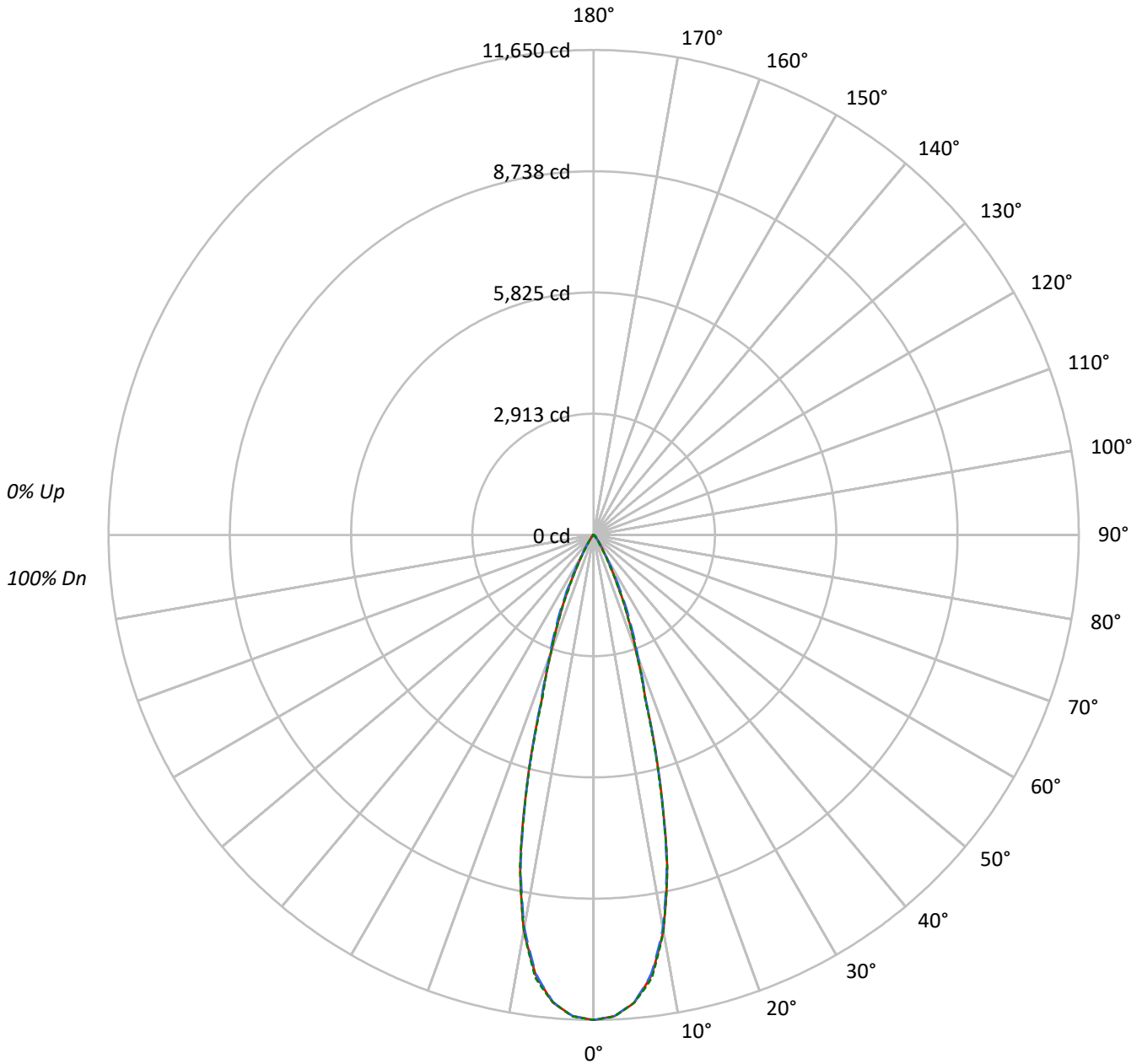
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	891715	891715	891715
5°	866116	865109	866162
10°	750194	744901	750015
15°	489464	486833	484384
20°	243390	252521	243064
25°	122605	138255	120088
30°	49089	53482	42769
35°	22772	21809	18277
40°	9832	10911	9263
45°	6939	8606	6993
50°	2382	6264	2525
55°	1375	2589	1455
60°	964	1133	964
65°	616	616	616
70°	380	246	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.4	28.3
10°-20°	1649.8	45.5
20°-30°	712.9	19.7
30°-40°	162.5	4.5
40°-50°	55.8	1.5
50°-60°	13.6	0.4
60°-70°	3.5	0.1
70°-80°	0.4	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°	3387.2	93.5
0°-40°	3549.7	98.0
0°-60°	3619.1	99.9
0°-90°	3623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3623.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11650	11650	11650	11650	11650	
5°	11272	11262	11259	11283	11273	1025
15°	6177	6102	6144	6124	6113	1654
25°	1452	1507	1637	1468	1422	695
35°	244	249	233	232	196	165
45°	64	80	80	80	65	45
55°	10	11	19	11	11	10
65°	3	3	3	3	3	3
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°	11649.8	11649.8	11649.8	11649.8	11649.8
2.5°	11572.6	11564.6	11569.2	11574.9	11577.2
5°	11272.3	11261.5	11259.2	11282.6	11272.9
7.5°	10666.6	10651.2	10627.7	10680.9	10730.7
10°	9652.0	9634.8	9583.9	9609.1	9649.7
12.5°	8154.0	8098.5	8097.3	8177.4	8166.6
15°	6176.7	6102.3	6143.5	6123.5	6112.6
17.5°	4153.6	4125.0	4179.9	4163.4	4091.9
20°	2988.0	2995.4	3100.1	3047.4	2984.0
22.5°	2180.3	2207.2	2331.3	2195.8	2146.0
25°	1451.7	1506.6	1637.0	1468.2	1421.9
27.5°	892.8	918.0	1050.1	881.4	856.2
30°	555.4	542.8	605.1	519.3	483.9
32.5°	364.3	348.3	368.3	330.6	302.0
35°	243.7	248.8	233.4	231.6	195.6
37.5°	152.1	175.0	154.4	164.7	125.8
40°	98.4	127.0	109.2	120.7	92.7
42.5°	80.6	97.8	89.8	95.5	82.4
45°	64.1	79.5	79.5	79.5	64.6
47.5°	35.5	53.2	68.1	54.3	37.7
50°	20.0	26.9	52.6	28.0	21.2
52.5°	13.7	15.4	36.0	16.0	14.3
55°	10.3	10.9	19.4	11.4	10.9
57.5°	8.0	8.6	10.3	8.6	8.0
60°	6.3	6.3	7.4	6.9	6.3
62.5°	4.6	4.6	5.1	4.6	4.6
65°	3.4	3.4	3.4	3.4	3.4
67.5°	1.7	2.3	2.3	2.3	2.3
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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