

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



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: P790209

Luminaire Tested: LER6D20D010-EC6DR3020359040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790209
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-EC6DR3020359040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3723.2 lumens
Efficiency: N/A
Efficacy: 161.2 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

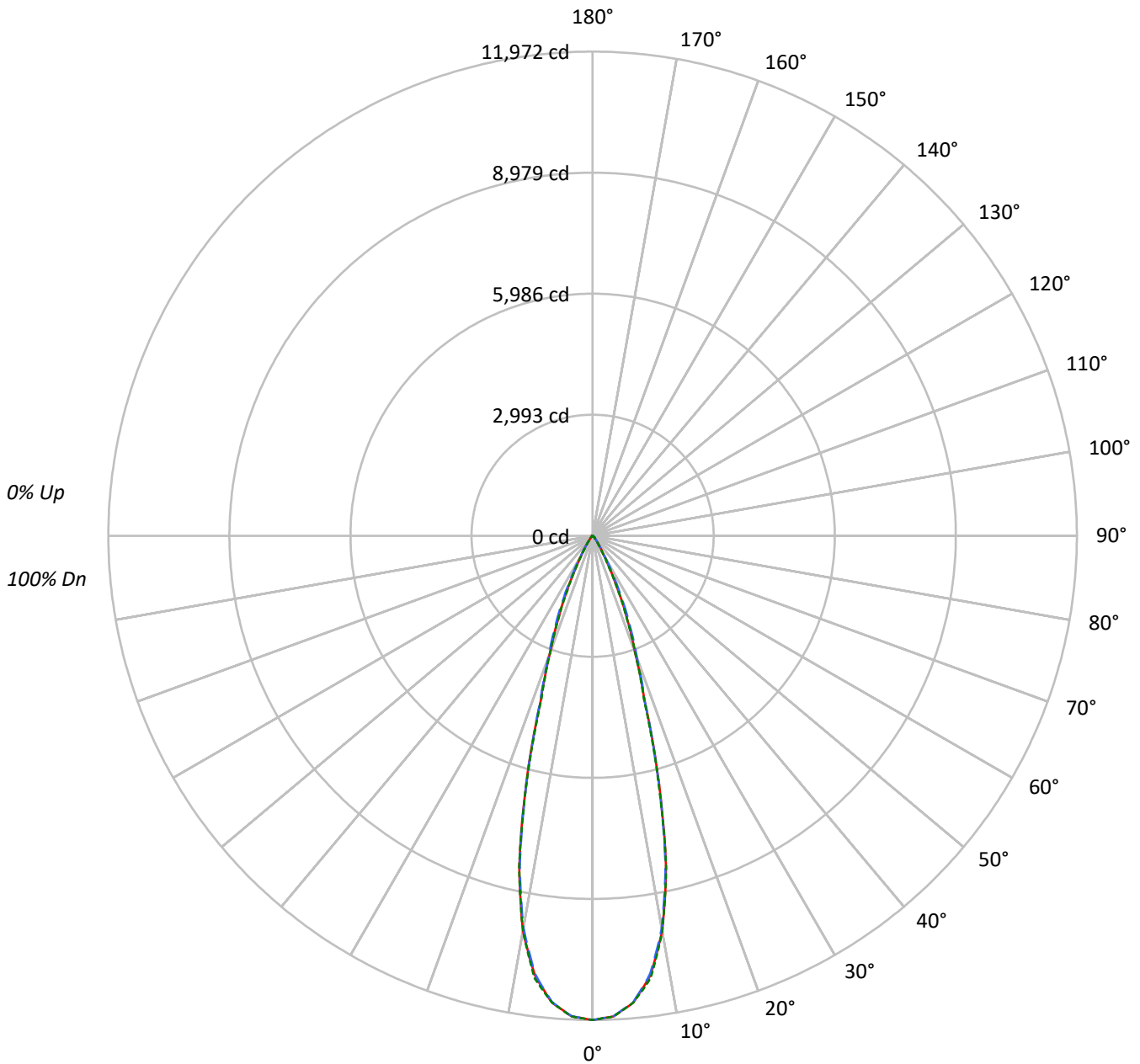
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	916370	916370	916370
5°	890066	889028	890112
10°	770931	765498	770752
15°	502998	500296	497776
20°	250118	259502	249784
25°	125992	142072	123408
30°	50441	54966	43954
35°	23398	22407	18782
40°	10102	11221	9512
45°	7123	8844	7188
50°	2453	6442	2584
55°	1415	2669	1495
60°	995	1163	995
65°	634	634	634
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8844 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.8	28.3
10°-20°	1695.5	45.5
20°-30°	732.7	19.7
30°-40°	167.0	4.5
40°-50°	57.3	1.5
50°-60°	14.0	0.4
60°-70°	3.6	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°	3480.9	93.5
0°-40°	3647.9	98.0
0°-60°	3719.2	99.9
0°-90°	3723.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3723.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11972	11972	11972	11972	11972	
5°	11584	11573	11570	11595	11585	1054
15°	6348	6271	6313	6293	6282	1700
25°	1492	1548	1682	1509	1461	714
35°	250	256	240	238	201	170
45°	66	82	82	82	66	47
55°	11	11	20	12	11	10
65°	4	4	4	4	4	3
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11971.9	11971.9	11971.9	11971.9	11971.9
2.5°	11892.6	11884.4	11889.1	11894.9	11897.3
5°	11584.0	11572.8	11570.5	11594.6	11584.6
7.5°	10961.6	10945.7	10921.6	10976.2	11027.4
10°	9918.8	9901.2	9848.9	9874.7	9916.5
12.5°	8379.4	8322.4	8321.2	8403.5	8392.4
15°	6347.5	6271.0	6313.4	6292.8	6281.6
17.5°	4268.5	4239.1	4295.5	4278.5	4205.0
20°	3070.6	3078.2	3185.8	3131.7	3066.5
22.5°	2240.6	2268.3	2395.8	2256.5	2205.4
25°	1491.8	1548.2	1682.2	1508.8	1461.2
27.5°	917.5	943.4	1079.2	905.8	879.9
30°	570.7	557.8	621.9	533.7	497.3
32.5°	374.4	358.0	378.5	339.7	310.3
35°	250.4	255.7	239.8	238.1	201.0
37.5°	156.4	179.9	158.7	169.3	129.3
40°	101.1	130.5	112.3	124.0	95.2
42.5°	82.9	100.5	92.3	98.2	84.6
45°	65.8	81.7	81.7	81.7	66.4
47.5°	36.4	54.7	69.9	55.8	38.8
50°	20.6	27.6	54.1	28.8	21.7
52.5°	14.1	15.9	37.0	16.5	14.7
55°	10.6	11.2	20.0	11.8	11.2
57.5°	8.2	8.8	10.6	8.8	8.2
60°	6.5	6.5	7.6	7.1	6.5
62.5°	4.7	4.7	5.3	4.7	4.7
65°	3.5	3.5	3.5	3.5	3.5
67.5°	1.8	2.4	2.4	2.4	2.4
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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