

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: P790194

Luminaire Tested: LER6D20D010-EC6DR3020359030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790194
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-EC6DR3020359030-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2915.7 lumens
Efficiency: N/A
Efficacy: 126.2 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

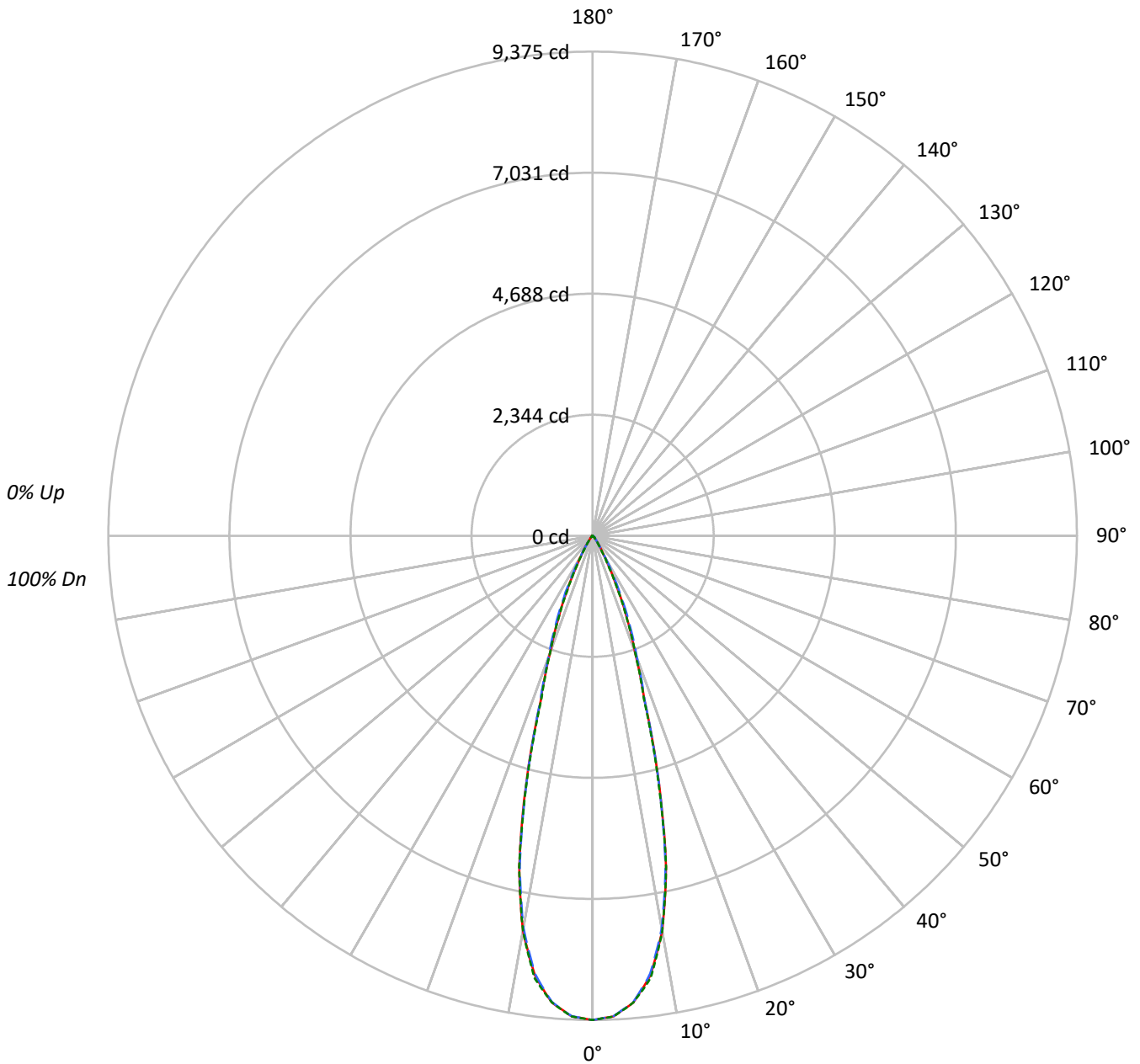


Downlight

TEST NUMBER: P790194

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	717625	717625	717625
5°	697023	696217	697062
10°	603731	599471	603591
15°	393904	391788	389823
20°	195869	203216	195608
25°	98662	111263	96643
30°	39508	43043	34417
35°	18324	17548	14708
40°	7914	8783	7454
45°	5586	6928	5629
50°	1917	5037	2024
55°	1108	2095	1161
60°	781	919	781
65°	507	507	507
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: 6928 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.4	28.3
10°-20°	1327.7	45.5
20°-30°	573.8	19.7
30°-40°	130.8	4.5
40°-50°	44.9	1.5
50°-60°	11.0	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°	2725.9	93.5
0°-40°	2856.7	98.0
0°-60°	2912.6	99.9
0°-90°	2915.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2915.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9375	9375	9375	9375	9375	
5°	9072	9063	9061	9080	9072	825
15°	4971	4911	4944	4928	4919	1331
25°	1168	1212	1317	1182	1144	559
35°	196	200	188	186	157	133
45°	52	64	64	64	52	37
55°	8	9	16	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°	9375.4	9375.4	9375.4	9375.4	9375.4
2.5°	9313.3	9306.9	9310.5	9315.1	9317.0
5°	9071.6	9062.9	9061.1	9079.9	9072.1
7.5°	8584.2	8571.8	8552.9	8595.7	8635.7
10°	7767.6	7753.8	7712.8	7733.1	7765.8
12.5°	6562.1	6517.4	6516.5	6580.9	6572.2
15°	4970.8	4911.0	4944.1	4928.0	4919.3
17.5°	3342.7	3319.7	3363.9	3350.5	3293.0
20°	2404.6	2410.6	2494.8	2452.5	2401.4
22.5°	1754.7	1776.3	1876.2	1767.1	1727.1
25°	1168.2	1212.4	1317.4	1181.6	1144.3
27.5°	718.5	738.8	845.1	709.3	689.1
30°	447.0	436.8	487.0	418.0	389.4
32.5°	293.2	280.3	296.4	266.1	243.0
35°	196.1	200.2	187.8	186.4	157.4
37.5°	122.4	140.9	124.3	132.6	101.3
40°	79.2	102.2	87.9	97.1	74.6
42.5°	64.9	78.7	72.3	76.9	66.3
45°	51.6	64.0	64.0	64.0	52.0
47.5°	28.5	42.8	54.8	43.7	30.4
50°	16.1	21.6	42.3	22.6	17.0
52.5°	11.0	12.4	29.0	12.9	11.5
55°	8.3	8.7	15.7	9.2	8.7
57.5°	6.4	6.9	8.3	6.9	6.4
60°	5.1	5.1	6.0	5.5	5.1
62.5°	3.7	3.7	4.1	3.7	3.7
65°	2.8	2.8	2.8	2.8	2.8
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

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Scaled Data Report





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

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