

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: P791815

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791815
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: LER6D35BD010-EC6DR3020359027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2902.1 lumens
Efficiency: N/A
Efficacy: 94.2 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): 30.8
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

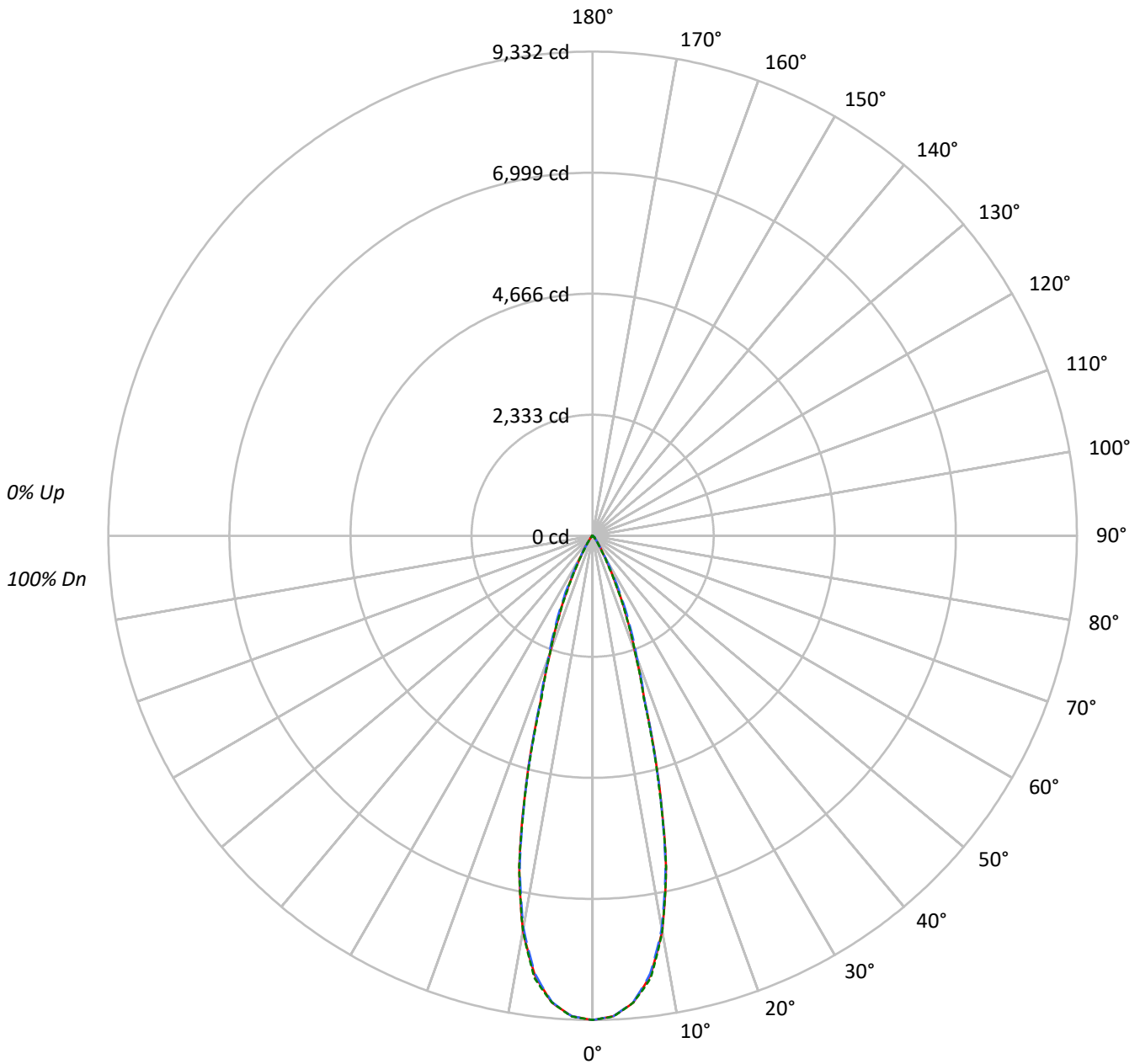


Downlight

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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°	714272	714272	714272
5°	693766	692951	693796
10°	600901	596665	600761
15°	392057	389958	387992
20°	194956	202271	194696
25°	98206	110739	96196
30°	39322	42840	34258
35°	18240	17464	14642
40°	7874	8743	7414
45°	5553	6895	5607
50°	1905	5013	2024
55°	1094	2082	1161
60°	765	919	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: 6895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.6	28.3
10°-20°	1321.5	45.5
20°-30°	571.1	19.7
30°-40°	130.2	4.5
40°-50°	44.7	1.5
50°-60°	10.9	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°	2713.2	93.5
0°-40°	2843.3	98.0
0°-60°	2898.9	99.9
0°-90°	2902.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9332	9332	9332	9332	9332	
5°	9029	9020	9019	9037	9030	821
15°	4948	4888	4921	4905	4896	1325
25°	1163	1207	1311	1176	1139	557
35°	195	199	187	186	157	132
45°	51	64	64	64	52	36
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°	9331.6	9331.6	9331.6	9331.6	9331.6
2.5°	9269.7	9263.3	9267.0	9271.5	9273.4
5°	9029.2	9020.5	9018.6	9037.4	9029.6
7.5°	8544.0	8531.6	8512.8	8555.5	8595.3
10°	7731.2	7717.5	7676.7	7696.9	7729.4
12.5°	6531.4	6486.9	6486.0	6550.1	6541.4
15°	4947.5	4888.0	4921.0	4904.9	4896.2
17.5°	3327.1	3304.2	3348.1	3334.9	3277.6
20°	2393.4	2399.3	2483.2	2441.0	2390.2
22.5°	1746.5	1768.0	1867.4	1758.8	1719.0
25°	1162.8	1206.8	1311.2	1176.1	1139.0
27.5°	715.2	735.3	841.2	706.0	685.8
30°	444.9	434.8	484.7	416.0	387.6
32.5°	291.8	279.0	295.0	264.8	241.9
35°	195.2	199.3	186.9	185.5	156.7
37.5°	121.9	140.2	123.7	131.9	100.8
40°	78.8	101.7	87.5	96.7	74.2
42.5°	64.6	78.3	71.9	76.5	66.0
45°	51.3	63.7	63.7	63.7	51.8
47.5°	28.4	42.6	54.5	43.5	30.2
50°	16.0	21.5	42.1	22.4	17.0
52.5°	11.0	12.4	28.9	12.8	11.5
55°	8.2	8.7	15.6	9.2	8.7
57.5°	6.4	6.9	8.2	6.9	6.4
60°	5.0	5.0	6.0	5.5	5.0
62.5°	3.7	3.7	4.1	3.7	3.7
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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