

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: P791807

Luminaire Tested: LER6D35BD010-EC6DR3020359024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791807
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-EC6DR3020359024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2561.9 lumens
Efficiency: N/A
Efficacy: 83.2 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

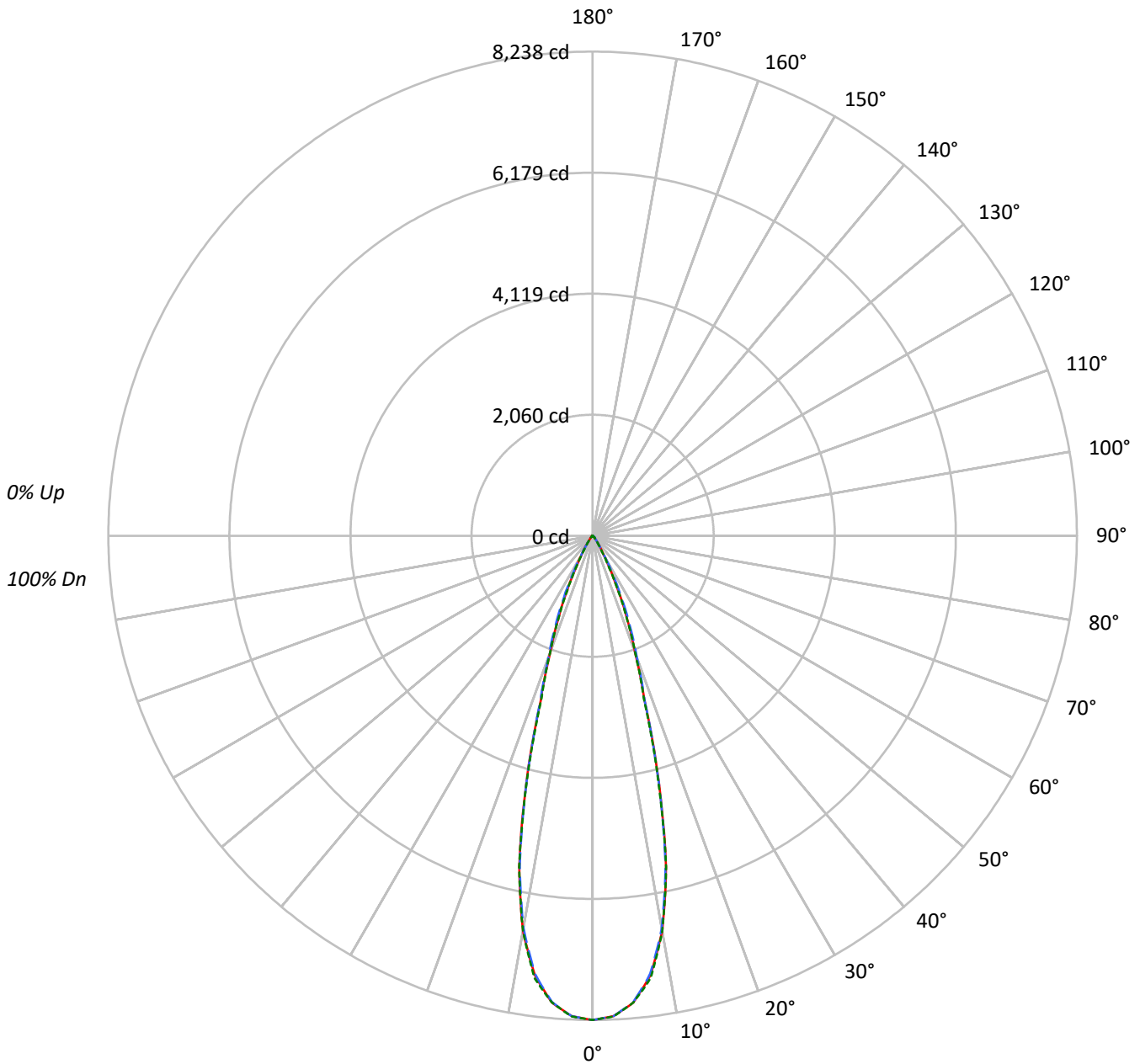


Downlight

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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°	630542	630542	630542
5°	612443	611728	612473
10°	530468	526729	530343
15°	346104	344250	342514
20°	172100	178559	171872
25°	86694	97758	84921
30°	34709	37820	30245
35°	16100	15418	12923
40°	6954	7714	6545
45°	4904	6084	4947
50°	1691	4430	1786
55°	974	1842	1028
60°	674	811	674
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6084 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.4	28.3
10°-20°	1166.6	45.5
20°-30°	504.1	19.7
30°-40°	114.9	4.5
40°-50°	39.4	1.5
50°-60°	9.6	0.4
60°-70°	2.5	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°	2395.1	93.5
0°-40°	2510.1	98.0
0°-60°	2559.1	99.9
0°-90°	2561.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2561.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8238	8238	8238	8238	8238	
5°	7971	7963	7962	7978	7971	725
15°	4368	4315	4344	4330	4322	1169
25°	1026	1065	1158	1038	1006	491
35°	172	176	165	164	138	117
45°	45	56	56	56	46	32
55°	7	8	14	8	8	7
65°	2	2	2	2	2	2
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°	8237.7	8237.7	8237.7	8237.7	8237.7
2.5°	8183.1	8177.5	8180.7	8184.8	8186.4
5°	7970.8	7963.1	7961.5	7978.1	7971.2
7.5°	7542.5	7531.6	7515.0	7552.6	7587.8
10°	6825.0	6812.9	6776.9	6794.7	6823.4
12.5°	5765.8	5726.5	5725.7	5782.4	5774.7
15°	4367.6	4315.0	4344.2	4330.0	4322.3
17.5°	2937.1	2916.9	2955.7	2944.0	2893.4
20°	2112.8	2118.1	2192.1	2154.9	2110.0
22.5°	1541.7	1560.8	1648.5	1552.7	1517.5
25°	1026.5	1065.3	1157.5	1038.2	1005.5
27.5°	631.3	649.1	742.6	623.3	605.5
30°	392.7	383.8	427.9	367.2	342.2
32.5°	257.6	246.3	260.5	233.8	213.5
35°	172.3	175.9	165.0	163.8	138.3
37.5°	107.6	123.8	109.2	116.5	89.0
40°	69.6	89.8	77.2	85.3	65.5
42.5°	57.0	69.2	63.5	67.5	58.2
45°	45.3	56.2	56.2	56.2	45.7
47.5°	25.1	37.6	48.1	38.4	26.7
50°	14.2	19.0	37.2	19.8	15.0
52.5°	9.7	10.9	25.5	11.3	10.1
55°	7.3	7.7	13.8	8.1	7.7
57.5°	5.7	6.1	7.3	6.1	5.7
60°	4.4	4.4	5.3	4.9	4.4
62.5°	3.2	3.2	3.6	3.2	3.2
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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