

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: P774215

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774215
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: LD6D95BD010-EU6DR3070959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10888.8 lumens
Efficiency: N/A
Efficacy: 109.8 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): 99.2
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

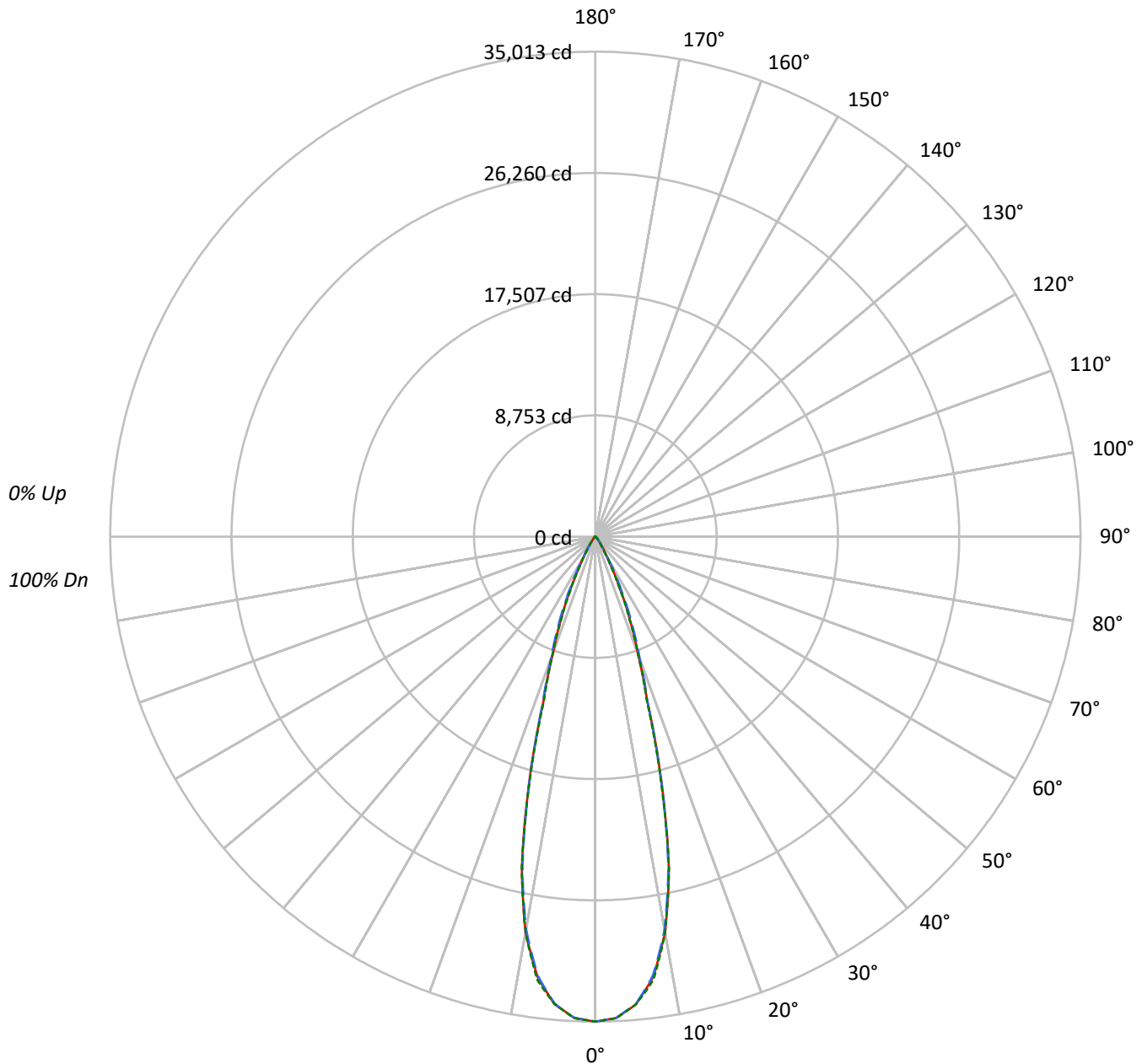


Downlight

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	2680006	2680006	2680006
5°	2603073	2600031	2603204
10°	2254655	2238752	2254118
15°	1471046	1463145	1455791
20°	731481	758932	730504
25°	368474	415508	360924
30°	147532	160745	128538
35°	68428	65540	54935
40°	29546	32804	27828
45°	20838	25861	21022
50°	7169	18827	7574
55°	4124	7793	4364
60°	2893	3414	2893
65°	1866	1866	1866
70°	1164	761	1164
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3078.9	28.3
10°-20°	4958.5	45.5
20°-30°	2142.7	19.7
30°-40°	488.4	4.5
40°-50°	167.7	1.5
50°-60°	41.0	0.4
60°-70°	10.6	0.1
70°-80°	1.1	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°	10180.1	93.5
0°-40°	10668.5	98.0
0°-60°	10877.1	99.9
0°-90°	10888.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10888.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35013	35013	35013	35013	35013	
5°	33878	33846	33839	33909	33880	3081
15°	18564	18340	18464	18404	18371	4971
25°	4363	4528	4920	4413	4274	2088
35°	732	748	701	696	588	497
45°	192	239	239	239	194	137
55°	31	33	58	34	33	30
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	35012.9	35012.9	35012.9	35012.9	35012.9
2.5°	34780.8	34756.8	34770.5	34787.7	34794.6
5°	33878.4	33845.7	33838.8	33909.3	33880.1
7.5°	32057.9	32011.5	31941.0	32100.9	32250.5
10°	29008.4	28956.8	28803.8	28879.5	29001.5
12.5°	24506.3	24339.5	24336.1	24576.8	24544.1
15°	18563.6	18340.2	18463.9	18403.8	18371.1
17.5°	12483.5	12397.5	12562.6	12512.7	12297.8
20°	8980.1	9002.5	9317.1	9158.9	8968.1
22.5°	6552.9	6633.7	7006.7	6599.3	6449.7
25°	4362.9	4527.9	4919.8	4412.7	4273.5
27.5°	2683.4	2759.0	3156.1	2649.0	2573.4
30°	1669.2	1631.3	1818.7	1560.9	1454.3
32.5°	1095.0	1046.9	1107.0	993.6	907.6
35°	732.3	747.8	701.4	696.2	587.9
37.5°	457.3	526.0	464.1	495.1	378.2
40°	295.7	381.6	328.3	362.7	278.5
42.5°	242.4	294.0	269.9	287.1	247.5
45°	192.5	238.9	238.9	238.9	194.2
47.5°	106.6	159.9	204.6	163.3	113.5
50°	60.2	80.8	158.1	84.2	63.6
52.5°	41.3	46.4	108.3	48.1	43.0
55°	30.9	32.7	58.4	34.4	32.7
57.5°	24.1	25.8	30.9	25.8	24.1
60°	18.9	18.9	22.3	20.6	18.9
62.5°	13.8	13.8	15.5	13.8	13.8
65°	10.3	10.3	10.3	10.3	10.3
67.5°	5.2	6.9	6.9	6.9	6.9
70°	5.2	3.4	3.4	3.4	5.2
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)