

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: P774228

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774228
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-EU6DR3070959040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11397.9 lumens
Efficiency: N/A
Efficacy: 114.9 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 (Ain): 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

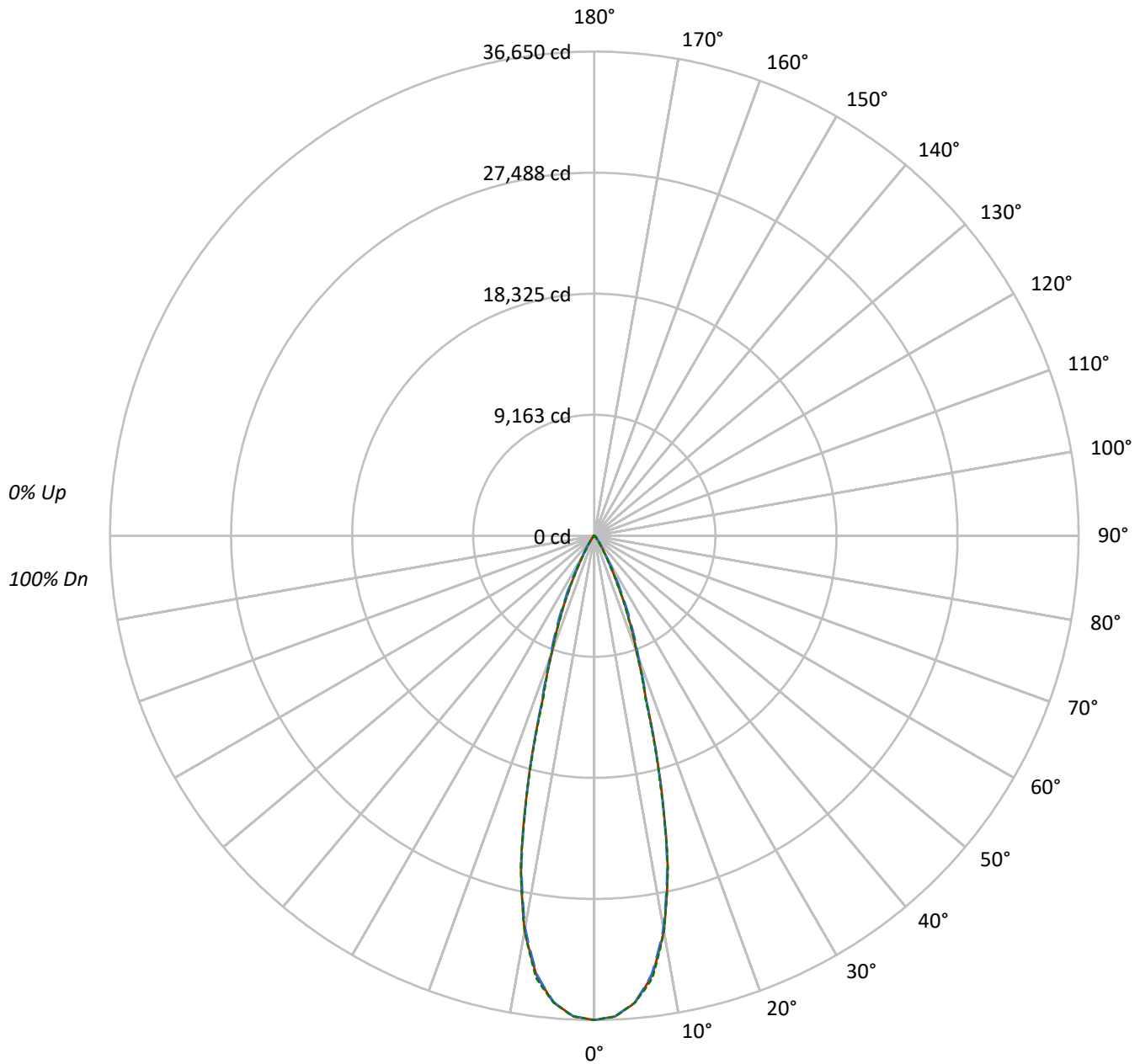


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2805300	2805300	2805300
5°	2724766	2721592	2724904
10°	2360064	2343424	2359505
15°	1539821	1531556	1523854
20°	765684	794414	764658
25°	385695	434933	377798
30°	154426	168258	134548
35°	71623	68596	57504
40°	30925	34343	29127
45°	21812	27073	22007
50°	7502	19708	7931
55°	4324	8167	4564
60°	3031	3582	3031
65°	1956	1956	1956
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3222.8	28.3
10°-20°	5190.3	45.5
20°-30°	2242.9	19.7
30°-40°	511.2	4.5
40°-50°	175.5	1.5
50°-60°	42.9	0.4
60°-70°	11.1	0.1
70°-80°	1.2	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°	10656.0	93.5
0°-40°	11167.2	98.0
0°-60°	11385.6	99.9
0°-90°	11397.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11397.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36650	36650	36650	36650	36650	
5°	35462	35428	35421	35495	35464	3225
15°	19432	19198	19327	19264	19230	5203
25°	4567	4740	5150	4619	4473	2186
35°	766	783	734	729	615	520
45°	202	250	250	250	203	143
55°	32	34	61	36	34	32
65°	11	11	11	11	11	11
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°	36649.8	36649.8	36649.8	36649.8	36649.8
2.5°	36406.9	36381.7	36396.1	36414.1	36421.3
5°	35462.2	35428.1	35420.9	35494.6	35464.0
7.5°	33556.7	33508.1	33434.3	33601.7	33758.2
10°	30364.6	30310.6	30150.5	30229.6	30357.4
12.5°	25652.0	25477.5	25473.9	25725.8	25691.6
15°	19431.5	19197.6	19327.2	19264.2	19230.0
17.5°	13067.1	12977.1	13149.9	13097.7	12872.8
20°	9400.0	9423.4	9752.7	9587.1	9387.4
22.5°	6859.2	6943.8	7334.3	6907.8	6751.3
25°	4566.8	4739.6	5149.8	4619.0	4473.3
27.5°	2808.8	2888.0	3303.7	2772.8	2693.7
30°	1747.2	1707.6	1903.7	1633.8	1522.3
32.5°	1146.2	1095.8	1158.8	1040.0	950.1
35°	766.5	782.7	734.1	728.8	615.4
37.5°	478.6	550.6	485.8	518.2	395.9
40°	309.5	399.5	343.7	379.7	291.5
42.5°	253.7	307.7	282.5	300.5	259.1
45°	201.5	250.1	250.1	250.1	203.3
47.5°	111.6	167.3	214.1	170.9	118.8
50°	63.0	84.6	165.5	88.2	66.6
52.5°	43.2	48.6	113.4	50.4	45.0
55°	32.4	34.2	61.2	36.0	34.2
57.5°	25.2	27.0	32.4	27.0	25.2
60°	19.8	19.8	23.4	21.6	19.8
62.5°	14.4	14.4	16.2	14.4	14.4
65°	10.8	10.8	10.8	10.8	10.8
67.5°	5.4	7.2	7.2	7.2	7.2
70°	5.4	3.6	3.6	3.6	5.4
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)