

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: P774218

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774218
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-EU6DR3070959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11039.5 lumens
Efficiency: N/A
Efficacy: 111.3 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

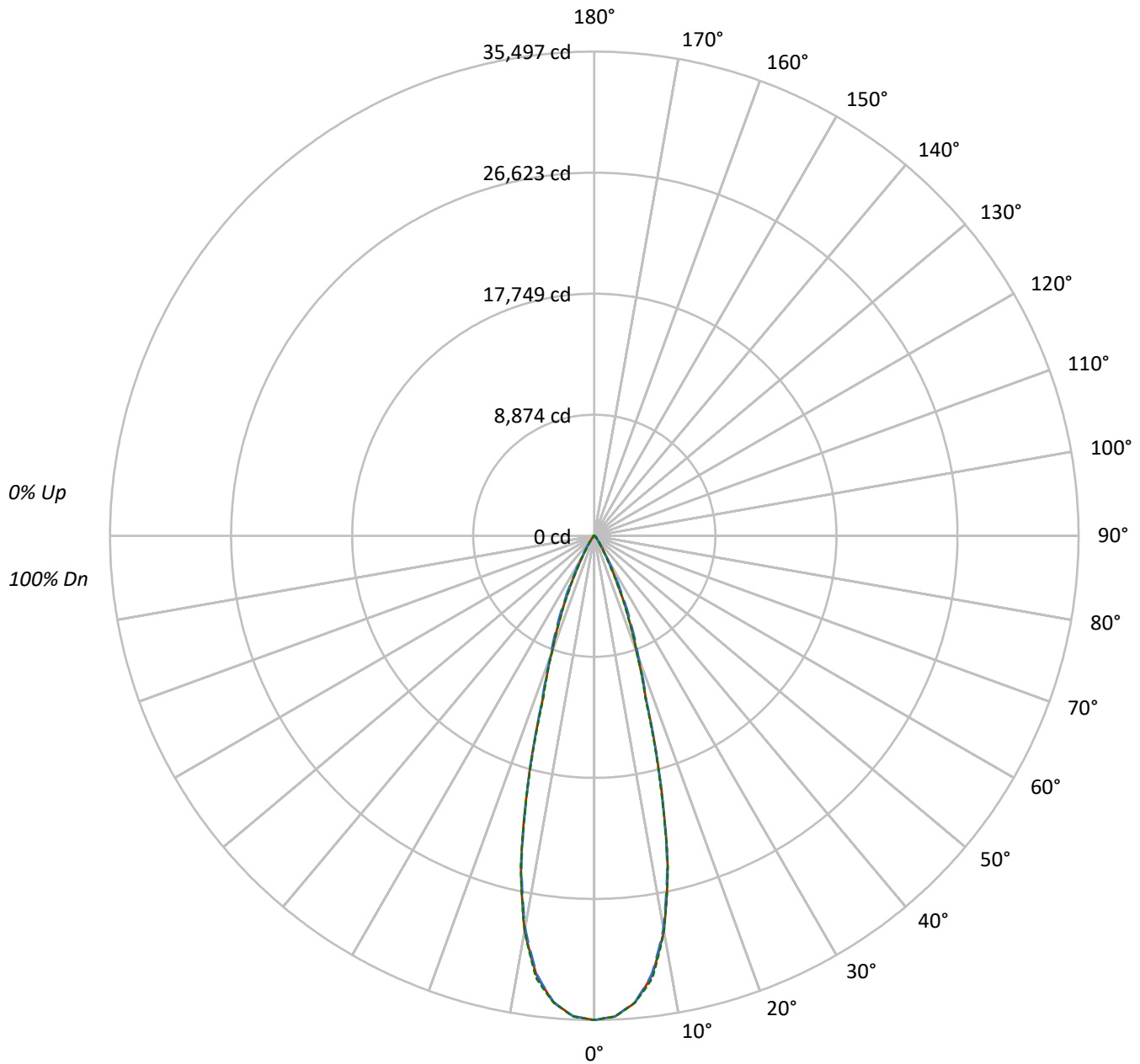


Downlight

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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					0
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°	2717092	2717092	2717092
5°	2639086	2636005	2639224
10°	2285853	2269733	2285309
15°	1491403	1483392	1475935
20°	741606	769431	740612
25°	373567	421260	365915
30°	149573	162973	130314
35°	69372	66447	55692
40°	29956	33263	28208
45°	21130	26218	21314
50°	7264	19089	7681
55°	4190	7914	4417
60°	2939	3475	2939
65°	1902	1902	1902
70°	1164	783	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: 26218 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3121.5	28.3
10°-20°	5027.1	45.5
20°-30°	2172.4	19.7
30°-40°	495.1	4.5
40°-50°	170.0	1.5
50°-60°	41.5	0.4
60°-70°	10.8	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°	10320.9	93.5
0°-40°	10816.1	98.0
0°-60°	11027.6	99.9
0°-90°	11039.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11039.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35497	35497	35497	35497	35497	
5°	34347	34314	34307	34378	34349	3124
15°	18820	18594	18719	18658	18625	5039
25°	4423	4590	4988	4474	4333	2117
35°	742	758	711	706	596	504
45°	195	242	242	242	197	139
55°	31	33	59	35	33	31
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°	35497.4	35497.4	35497.4	35497.4	35497.4
2.5°	35262.1	35237.7	35251.6	35269.1	35276.0
5°	34347.1	34314.0	34307.0	34378.5	34348.9
7.5°	32501.5	32454.4	32383.0	32545.1	32696.7
10°	29409.8	29357.5	29202.4	29279.0	29402.8
12.5°	24845.4	24676.3	24672.8	24916.8	24883.7
15°	18820.5	18593.9	18719.4	18658.4	18625.3
17.5°	12656.2	12569.1	12736.4	12685.8	12468.0
20°	9104.4	9127.0	9446.0	9285.6	9092.2
22.5°	6643.6	6725.5	7103.7	6690.6	6539.0
25°	4423.2	4590.5	4987.9	4473.8	4332.6
27.5°	2720.5	2797.2	3199.8	2685.7	2609.0
30°	1692.3	1653.9	1843.9	1582.5	1474.4
32.5°	1110.2	1061.4	1122.4	1007.3	920.2
35°	742.4	758.1	711.1	705.8	596.0
37.5°	463.6	533.3	470.6	501.9	383.4
40°	299.8	386.9	332.9	367.7	282.3
42.5°	245.7	298.0	273.6	291.0	251.0
45°	195.2	242.2	242.2	242.2	196.9
47.5°	108.1	162.1	207.4	165.6	115.0
50°	61.0	81.9	160.3	85.4	64.5
52.5°	41.8	47.1	109.8	48.8	43.6
55°	31.4	33.1	59.3	34.9	33.1
57.5°	24.4	26.1	31.4	26.1	24.4
60°	19.2	19.2	22.7	20.9	19.2
62.5°	13.9	13.9	15.7	13.9	13.9
65°	10.5	10.5	10.5	10.5	10.5
67.5°	5.2	7.0	7.0	7.0	7.0
70°	5.2	3.5	3.5	3.5	5.2
72.5°	3.5	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)