

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: P774205

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774205
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-EU6DR3070959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10924.4 lumens
Efficiency: N/A
Efficacy: 110.1 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

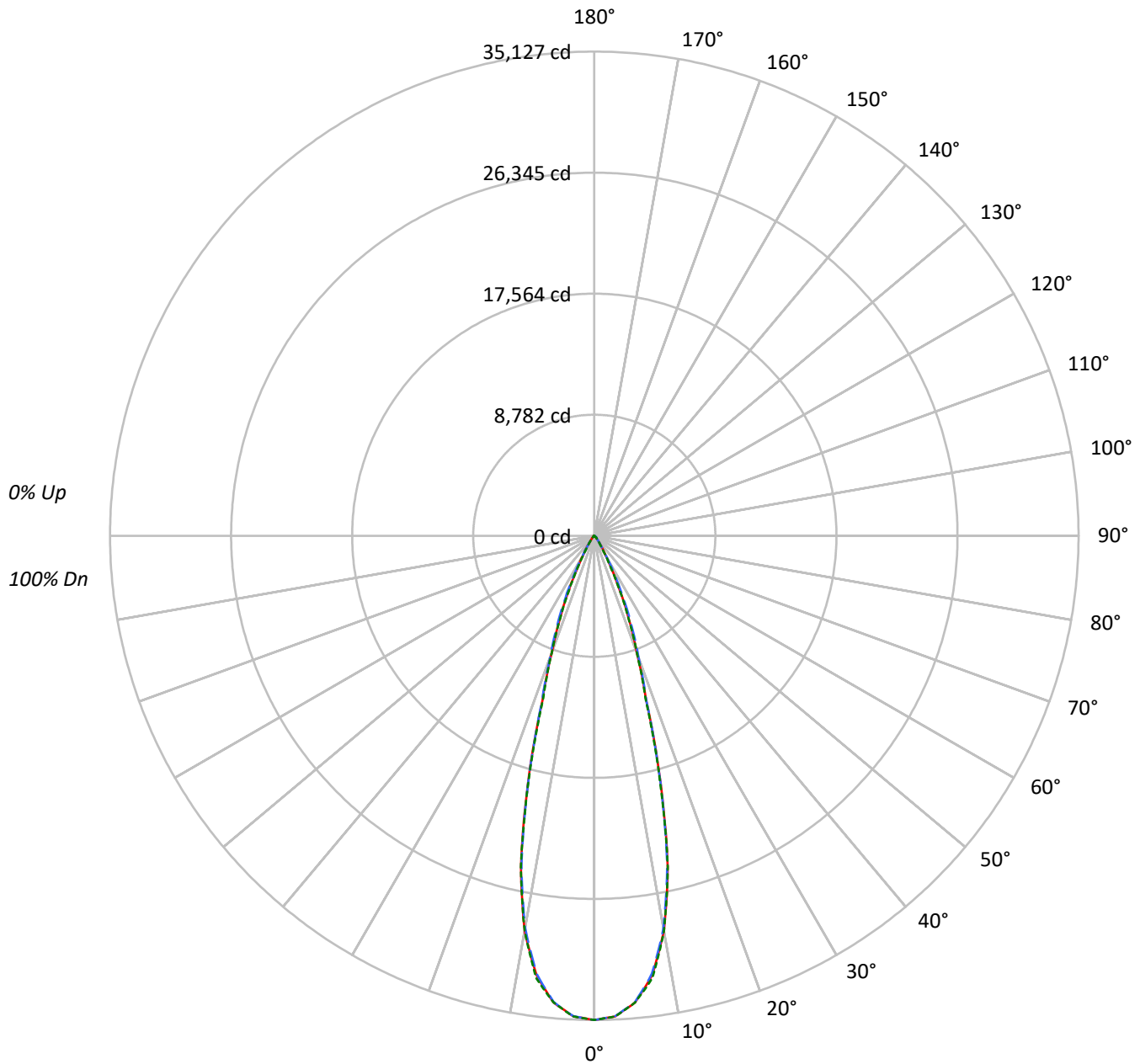


Downlight

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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					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°	2688763	2688763	2688763
5°	2611579	2608529	2611710
10°	2262023	2246074	2261487
15°	1475856	1467931	1460554
20°	733876	761408	732890
25°	369674	416868	362098
30°	148009	161276	128953
35°	68652	65755	55112
40°	29636	32914	27918
45°	20914	25947	21098
50°	7192	18898	7597
55°	4137	7820	4377
60°	2909	3429	2909
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: 25947 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3088.9	28.3
10°-20°	4974.7	45.5
20°-30°	2149.7	19.7
30°-40°	490.0	4.5
40°-50°	168.2	1.5
50°-60°	41.1	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°	10213.4	93.5
0°-40°	10703.3	98.0
0°-60°	10912.7	99.9
0°-90°	10924.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10924.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35127	35127	35127	35127	35127	
5°	33989	33956	33949	34020	33991	3091
15°	18624	18400	18524	18464	18431	4987
25°	4377	4543	4936	4427	4287	2095
35°	735	750	704	698	590	498
45°	193	240	240	240	195	137
55°	31	33	59	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°	35127.3	35127.3	35127.3	35127.3	35127.3
2.5°	34894.5	34870.4	34884.2	34901.4	34908.3
5°	33989.1	33956.3	33949.4	34020.1	33990.8
7.5°	32162.7	32116.1	32045.4	32205.8	32355.9
10°	29103.2	29051.5	28898.0	28973.9	29096.3
12.5°	24586.4	24419.1	24415.6	24657.1	24624.3
15°	18624.3	18400.1	18524.3	18463.9	18431.2
17.5°	12524.3	12438.1	12603.6	12553.6	12338.0
20°	9009.5	9031.9	9347.5	9188.9	8997.4
22.5°	6574.3	6655.4	7029.6	6620.9	6470.8
25°	4377.1	4542.7	4935.9	4427.1	4287.4
27.5°	2692.2	2768.0	3166.4	2657.7	2581.8
30°	1674.6	1636.7	1824.7	1566.0	1459.0
32.5°	1098.6	1050.3	1110.7	996.8	910.6
35°	734.7	750.2	703.7	698.5	589.8
37.5°	458.8	527.7	465.7	496.7	379.4
40°	296.6	382.9	329.4	363.9	279.4
42.5°	243.2	294.9	270.8	288.0	248.3
45°	193.2	239.7	239.7	239.7	194.9
47.5°	106.9	160.4	205.2	163.8	113.8
50°	60.4	81.1	158.7	84.5	63.8
52.5°	41.4	46.6	108.7	48.3	43.1
55°	31.0	32.8	58.6	34.5	32.8
57.5°	24.1	25.9	31.0	25.9	24.1
60°	19.0	19.0	22.4	20.7	19.0
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)