

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: P774174

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774174
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-EU6DR3070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9823.4 lumens
Efficiency: N/A
Efficacy: 99.0 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

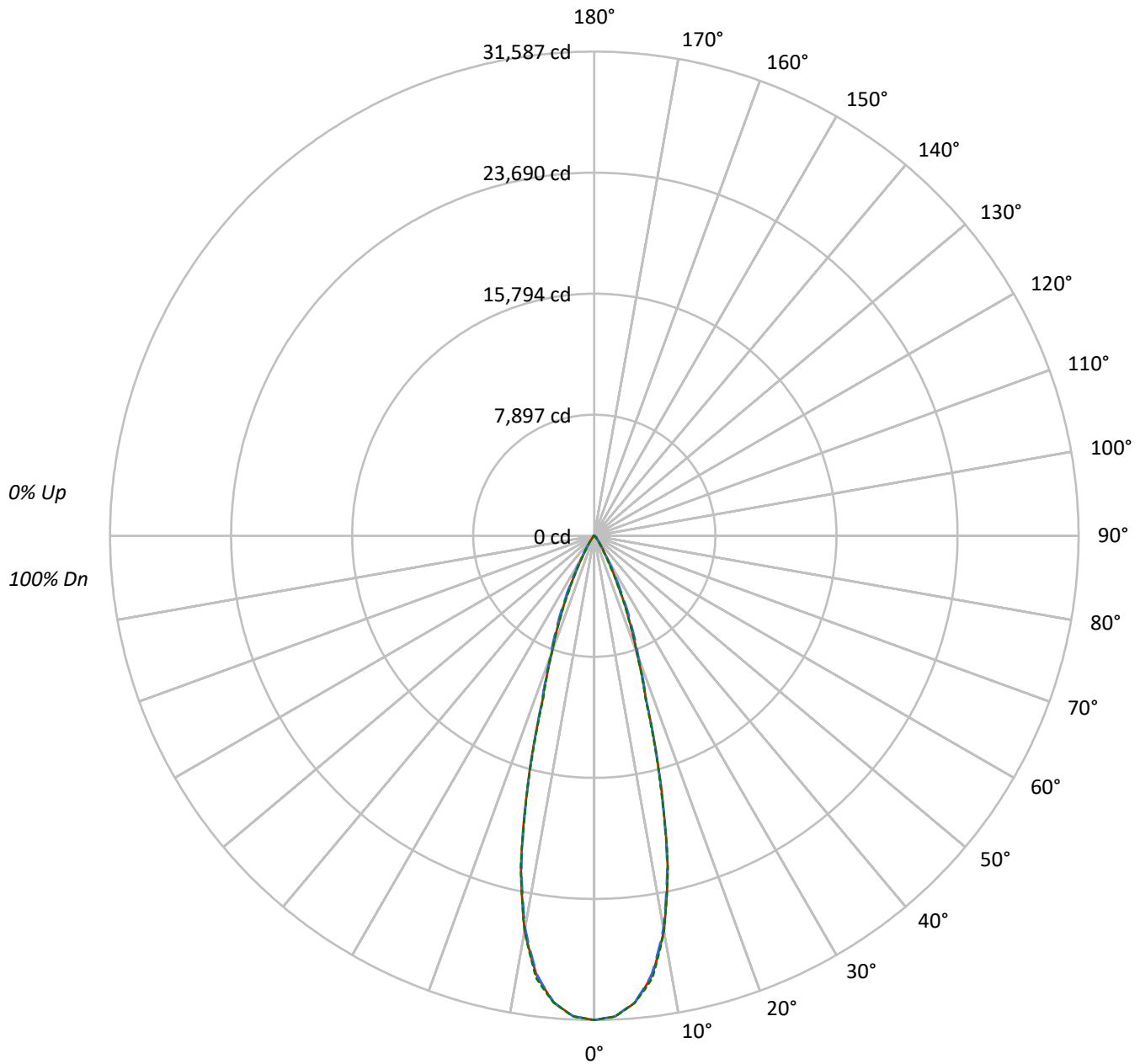


Downlight

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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°	2417769	2417769	2417769
5°	2348363	2345620	2348478
10°	2034035	2019694	2033553
15°	1327108	1319984	1313343
20°	659906	684668	659026
25°	332420	374851	325604
30°	133090	145022	115961
35°	61728	59121	49562
40°	26649	29596	25100
45°	18803	23338	18965
50°	6466	16993	6835
55°	3723	7033	3937
60°	2618	3092	2618
65°	1684	1684	1684
70°	1052	694	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2777.6	28.3
10°-20°	4473.3	45.5
20°-30°	1933.0	19.7
30°-40°	440.6	4.5
40°-50°	151.3	1.5
50°-60°	37.0	0.4
60°-70°	9.6	0.1
70°-80°	1.0	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°	9184.0	93.5
0°-40°	9624.5	98.0
0°-60°	9812.8	99.9
0°-90°	9823.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9823.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31587	31587	31587	31587	31587	
5°	30563	30534	30528	30591	30565	2780
15°	16747	16546	16657	16603	16574	4484
25°	3936	4085	4438	3981	3855	1884
35°	661	675	633	628	530	448
45°	174	216	216	216	175	123
55°	28	30	53	31	30	27
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	31586.9	31586.9	31586.9	31586.9	31586.9
2.5°	31377.6	31355.8	31368.2	31383.8	31390.0
5°	30563.4	30533.9	30527.7	30591.3	30564.9
7.5°	28921.1	28879.2	28815.6	28959.8	29094.8
10°	26169.9	26123.4	25985.4	26053.6	26163.7
12.5°	22108.4	21957.9	21954.8	22171.9	22142.5
15°	16747.2	16545.6	16657.3	16603.0	16573.5
17.5°	11262.0	11184.4	11333.3	11288.4	11094.5
20°	8101.4	8121.6	8405.4	8262.7	8090.6
22.5°	5911.7	5984.6	6321.1	5953.6	5818.6
25°	3936.0	4084.8	4438.4	3980.9	3855.3
27.5°	2420.8	2489.1	2847.3	2389.8	2321.6
30°	1505.8	1471.7	1640.8	1408.1	1312.0
32.5°	987.9	944.4	998.7	896.4	818.8
35°	660.6	674.6	632.7	628.1	530.4
37.5°	412.5	474.5	418.7	446.6	341.2
40°	266.7	344.3	296.2	327.2	251.2
42.5°	218.7	265.2	243.5	259.0	223.3
45°	173.7	215.6	215.6	215.6	175.2
47.5°	96.2	144.2	184.5	147.3	102.4
50°	54.3	72.9	142.7	76.0	57.4
52.5°	37.2	41.9	97.7	43.4	38.8
55°	27.9	29.5	52.7	31.0	29.5
57.5°	21.7	23.3	27.9	23.3	21.7
60°	17.1	17.1	20.2	18.6	17.1
62.5°	12.4	12.4	14.0	12.4	12.4
65°	9.3	9.3	9.3	9.3	9.3
67.5°	4.7	6.2	6.2	6.2	6.2
70°	4.7	3.1	3.1	3.1	4.7
72.5°	3.1	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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)