

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: P774199

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774199
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-EU6DR3070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10918.1 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

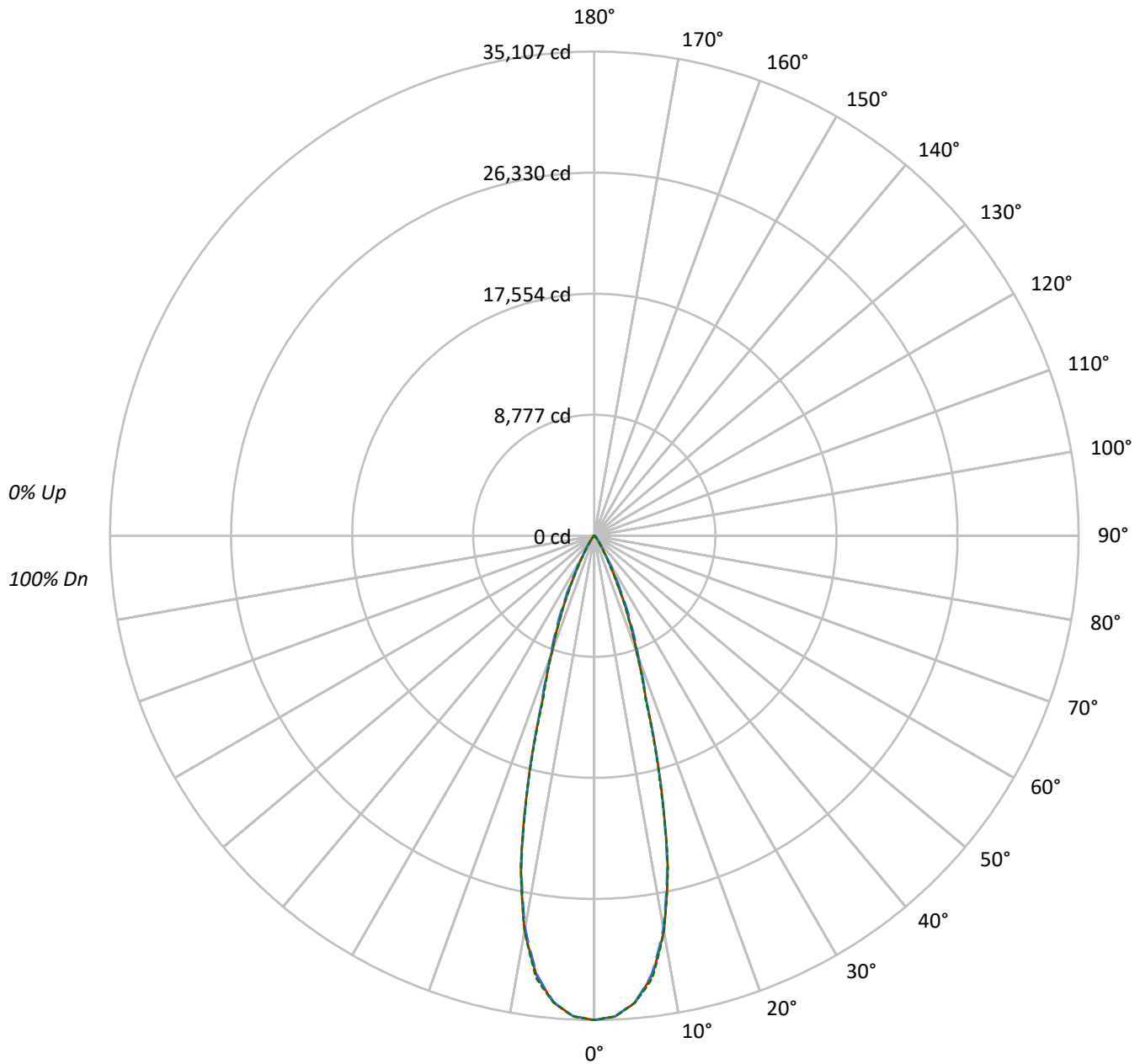


Downlight

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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					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°	2687209	2687209	2687209
5°	2610065	2607015	2610196
10°	2260709	2244768	2260173
15°	1475000	1467076	1459706
20°	733452	760968	732467
25°	369462	416623	361895
30°	147921	161178	128883
35°	68615	65709	55084
40°	29626	32894	27898
45°	20892	25936	21087
50°	7181	18886	7597
55°	4137	7820	4364
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: 25936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3087.1	28.3
10°-20°	4971.8	45.5
20°-30°	2148.5	19.7
30°-40°	489.7	4.5
40°-50°	168.1	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°	10207.4	93.5
0°-40°	10697.1	98.0
0°-60°	10906.3	99.9
0°-90°	10918.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10918.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35107	35107	35107	35107	35107	
5°	33969	33937	33930	34000	33971	3090
15°	18614	18389	18514	18453	18420	4984
25°	4375	4540	4933	4425	4285	2094
35°	734	750	703	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°	35107.0	35107.0	35107.0	35107.0	35107.0
2.5°	34874.3	34850.1	34863.9	34881.2	34888.1
5°	33969.4	33936.6	33929.7	34000.4	33971.1
7.5°	32144.0	32097.5	32026.8	32187.1	32337.1
10°	29086.3	29034.6	28881.2	28957.0	29079.4
12.5°	24572.1	24404.9	24401.5	24642.8	24610.0
15°	18613.5	18389.4	18513.5	18453.2	18420.5
17.5°	12517.0	12430.8	12596.3	12546.3	12330.9
20°	9004.3	9026.7	9342.1	9183.5	8992.2
22.5°	6570.5	6651.5	7025.5	6617.0	6467.1
25°	4374.6	4540.1	4933.0	4424.6	4285.0
27.5°	2690.6	2766.4	3164.6	2656.1	2580.3
30°	1673.6	1635.7	1823.6	1565.1	1458.2
32.5°	1098.0	1049.7	1110.0	996.3	910.1
35°	734.3	749.8	703.2	698.1	589.5
37.5°	458.5	527.4	465.4	496.4	379.2
40°	296.5	382.6	329.2	363.7	279.2
42.5°	243.0	294.7	270.6	287.8	248.2
45°	193.0	239.6	239.6	239.6	194.8
47.5°	106.9	160.3	205.1	163.7	113.8
50°	60.3	81.0	158.6	84.5	63.8
52.5°	41.4	46.5	108.6	48.3	43.1
55°	31.0	32.7	58.6	34.5	32.7
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)