

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: P774186

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774186
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-EU6DR3070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10597.8 lumens
Efficiency: N/A
Efficacy: 106.8 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

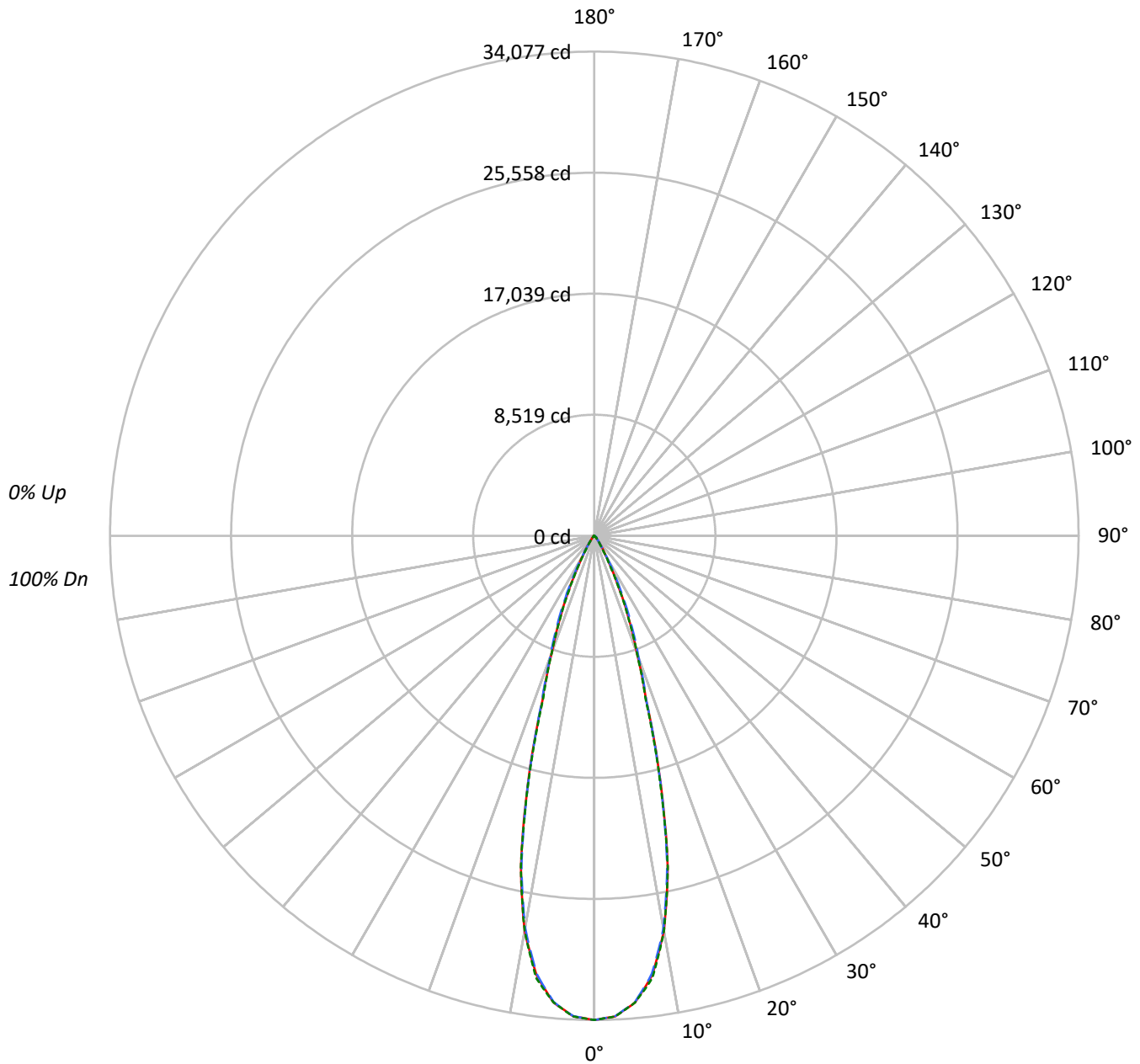


Downlight

TEST NUMBER: P774186

CATALOG NUMBER: LD6D95BD010-EU6DR3070959027-6LBDP1H

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°	2608385	2608385	2608385
5°	2533498	2530548	2533629
10°	2194395	2178920	2193874
15°	1431733	1424046	1416883
20°	711932	738649	710979
25°	358627	404402	351279
30°	143590	156450	125100
35°	66596	63784	53468
40°	28757	31935	27078
45°	20286	25179	20470
50°	6978	18326	7371
55°	4017	7593	4244
60°	2817	3322	2817
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25179 cd/sqm

TEST NUMBER: P774186

CATALOG NUMBER: LD6D95BD010-EU6DR3070959027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2996.6	28.3
10°-20°	4826.0	45.5
20°-30°	2085.4	19.7
30°-40°	475.3	4.5
40°-50°	163.2	1.5
50°-60°	39.9	0.4
60°-70°	10.3	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°	9908.0	93.5
0°-40°	10383.3	98.0
0°-60°	10586.4	99.9
0°-90°	10597.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10597.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34077	34077	34077	34077	34077	
5°	32973	32941	32934	33003	32975	2999
15°	18068	17850	17970	17912	17880	4838
25°	4246	4407	4788	4295	4159	2033
35°	713	728	683	678	572	483
45°	187	233	233	233	189	133
55°	30	32	57	34	32	29
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°	34077.2	34077.2	34077.2	34077.2	34077.2
2.5°	33851.3	33827.9	33841.3	33858.0	33864.7
5°	32972.9	32941.1	32934.5	33003.1	32974.6
7.5°	31201.2	31156.0	31087.4	31243.0	31388.5
10°	28233.1	28182.9	28034.0	28107.6	28226.4
12.5°	23851.3	23689.0	23685.7	23919.9	23888.1
15°	18067.5	17850.0	17970.5	17911.9	17880.1
17.5°	12149.9	12066.2	12226.8	12178.3	11969.2
20°	8740.1	8761.9	9068.1	8914.1	8728.4
22.5°	6377.8	6456.4	6819.4	6422.9	6277.4
25°	4246.3	4406.9	4788.3	4294.8	4159.3
27.5°	2611.7	2685.3	3071.8	2578.2	2504.6
30°	1624.6	1587.7	1770.1	1519.2	1415.4
32.5°	1065.7	1018.9	1077.5	967.0	883.4
35°	712.7	727.8	682.6	677.6	572.2
37.5°	445.0	512.0	451.7	481.8	368.1
40°	287.8	371.4	319.6	353.0	271.0
42.5°	235.9	286.1	262.7	279.4	240.9
45°	187.4	232.6	232.6	232.6	189.1
47.5°	103.7	155.6	199.1	158.9	110.4
50°	58.6	78.6	153.9	82.0	61.9
52.5°	40.2	45.2	105.4	46.8	41.8
55°	30.1	31.8	56.9	33.5	31.8
57.5°	23.4	25.1	30.1	25.1	23.4
60°	18.4	18.4	21.7	20.1	18.4
62.5°	13.4	13.4	15.1	13.4	13.4
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	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)