

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: P774203

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774203
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-EU6DR3070959030-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 11492.7 lumens
Efficiency: N/A
Efficacy: 115.9 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

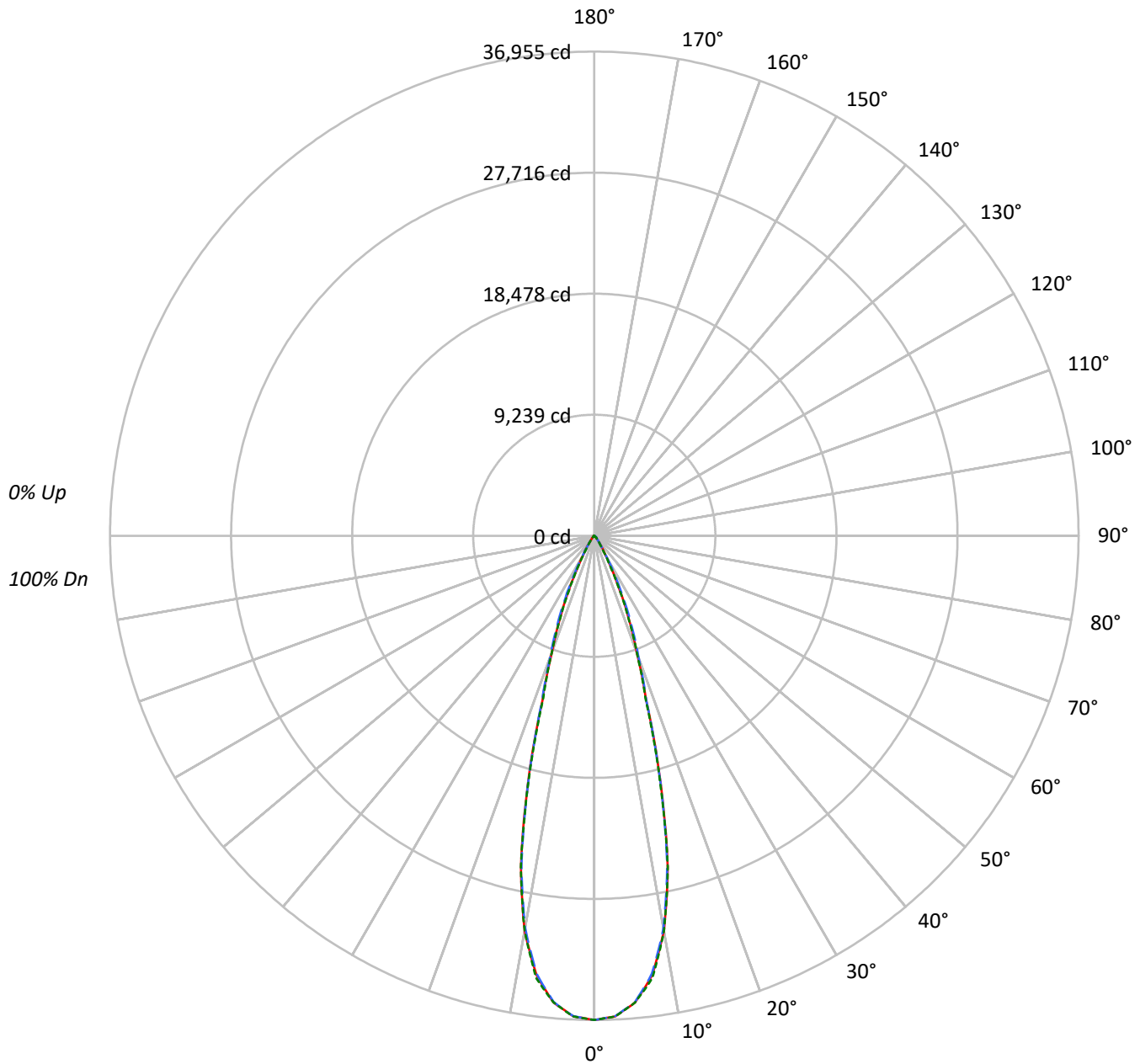


Downlight

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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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	115	113	111	109	112	110	109	107		106	105	104			103	102	101			96
2	111	107	104	101	109	105	102	100		102	100	98			99	97	96			92
3	107	102	98	95	105	101	97	94		98	95	93			96	93	91			89
4	103	98	93	90	102	96	93	90		94	91	89			93	90	88			85
5	100	94	89	86	98	93	89	86		91	88	85			90	86	84			82
6	97	90	85	82	95	89	85	82		88	84	81			87	83	81			79
7	94	87	82	79	92	86	82	79		85	81	78			84	81	78			77
8	91	84	79	76	90	83	79	76		82	78	76			81	78	75			74
9	88	81	76	73	87	80	76	73		80	76	73			79	75	73			72
10	85	78	74	71	85	78	74	71		77	73	71			76	73	71			69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2828638	2828638	2828638
5°	2747432	2744228	2747571
10°	2379697	2362917	2379130
15°	1552635	1544290	1536533
20°	772054	801020	771020
25°	388904	438556	380940
30°	155707	169663	135662
35°	72222	69175	57981
40°	31185	34622	29367
45°	21996	27300	22191
50°	7562	19875	7990
55°	4364	8234	4604
60°	3062	3613	3062
65°	1974	1974	1974
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3249.6	28.3
10°-20°	5233.5	45.5
20°-30°	2261.5	19.7
30°-40°	515.4	4.5
40°-50°	177.0	1.5
50°-60°	43.2	0.4
60°-70°	11.2	0.1
70°-80°	1.2	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°	10744.7	93.5
0°-40°	11260.1	98.0
0°-60°	11480.3	99.9
0°-90°	11492.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11492.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36955	36955	36955	36955	36955	
5°	35757	35723	35716	35790	35759	3252
15°	19593	19357	19488	19424	19390	5246
25°	4605	4779	5193	4657	4510	2204
35°	773	789	740	735	620	524
45°	203	252	252	252	205	144
55°	33	34	62	36	34	32
65°	11	11	11	11	11	11
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°	36954.7	36954.7	36954.7	36954.7	36954.7
2.5°	36709.8	36684.4	36698.9	36717.0	36724.3
5°	35757.2	35722.8	35715.5	35789.9	35759.0
7.5°	33835.8	33786.8	33712.5	33881.2	34039.0
10°	30617.2	30562.7	30401.3	30481.1	30609.9
12.5°	25865.4	25689.4	25685.8	25939.8	25905.3
15°	19593.2	19357.3	19487.9	19424.4	19390.0
17.5°	13175.8	13085.1	13259.3	13206.7	12979.9
20°	9478.2	9501.8	9833.8	9666.9	9465.5
22.5°	6916.3	7001.6	7395.3	6965.3	6807.4
25°	4604.8	4779.0	5192.7	4657.4	4510.5
27.5°	2832.2	2912.0	3331.1	2795.9	2716.1
30°	1761.7	1721.8	1919.6	1647.4	1534.9
32.5°	1155.7	1104.9	1168.4	1048.7	958.0
35°	772.9	789.2	740.3	734.8	620.5
37.5°	482.6	555.2	489.9	522.5	399.2
40°	312.1	402.8	346.5	382.8	293.9
42.5°	255.8	310.3	284.9	303.0	261.3
45°	203.2	252.2	252.2	252.2	205.0
47.5°	112.5	168.7	215.9	172.4	119.7
50°	63.5	85.3	166.9	88.9	67.1
52.5°	43.5	49.0	114.3	50.8	45.4
55°	32.7	34.5	61.7	36.3	34.5
57.5°	25.4	27.2	32.7	27.2	25.4
60°	20.0	20.0	23.6	21.8	20.0
62.5°	14.5	14.5	16.3	14.5	14.5
65°	10.9	10.9	10.9	10.9	10.9
67.5°	5.4	7.3	7.3	7.3	7.3
70°	5.4	3.6	3.6	3.6	5.4
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)