

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: P774631

Luminaire Tested: LD6D95BD010-EU6DR5570959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5570959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12032.7 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' 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

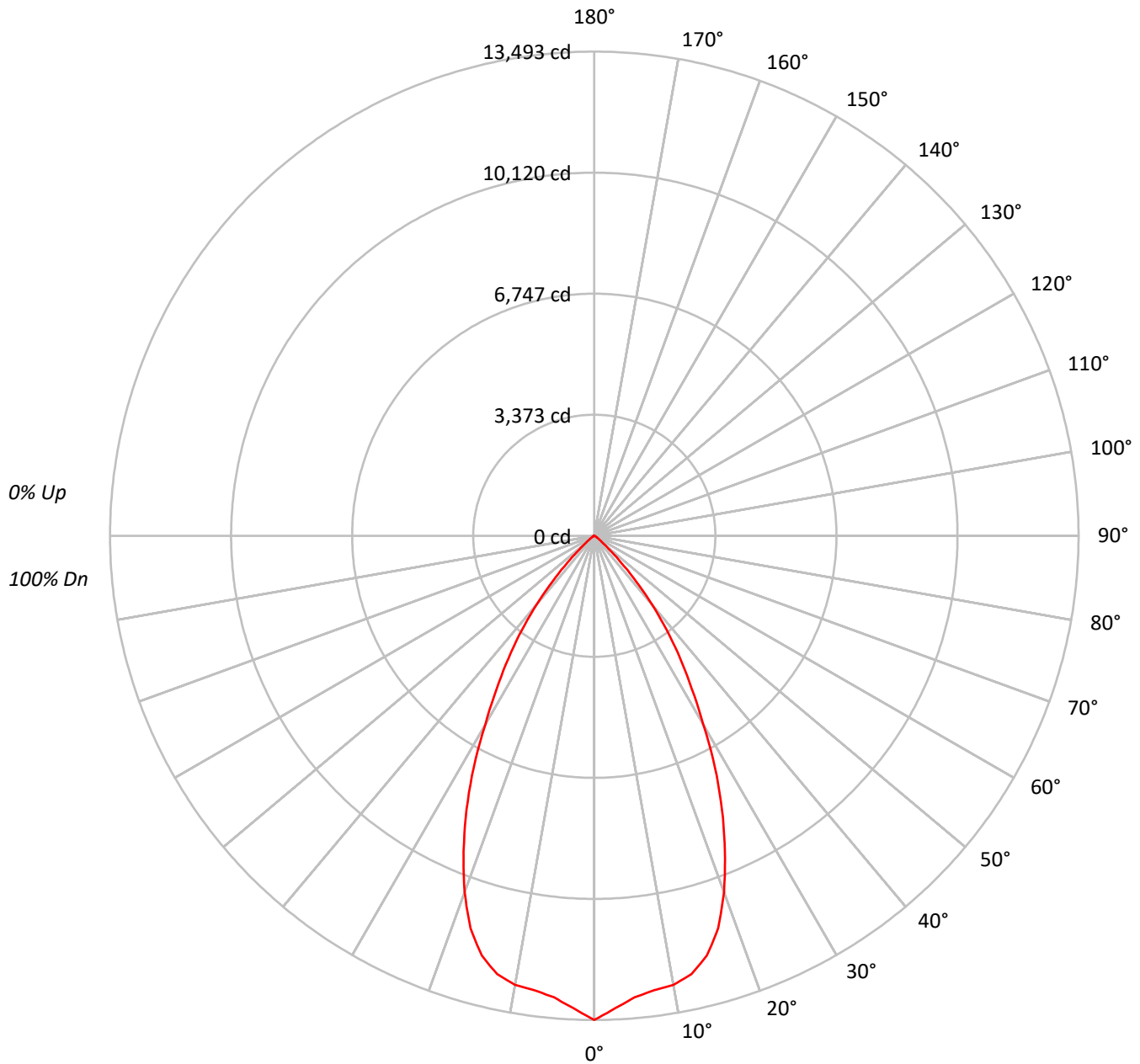


Downlight

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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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106	111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74	91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68	86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64	82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59	78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56	74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52	71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1474234
5°	1415681
10°	1410349
15°	1369835
20°	1228248
25°	1015093
30°	766771
35°	555966
40°	355804
45°	162507
50°	53153
55°	22935
60°	9855
65°	1293
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 162507 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1228.2	10.2
10°-20°	3352.1	27.9
20°-30°	3820.0	31.7
30°-40°	2600.5	21.6
40°-50°	896.1	7.4
50°-60°	123.9	1.0
60°-70°	12.0	0.1
70°-80°	0.0	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°	8400.3	69.8
0°-40°	11000.8	91.4
0°-60°	12020.8	99.9
0°-90°	12032.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12032.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13493	
5°	12908	###
15°	12110	3352
25°	8420	3820
35°	4168	2600
45°	1052	896
55°	120	124
65°	5	12
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13492.8
2.5°	13183.5
5°	12907.6
7.5°	12772.2
10°	12712.0
12.5°	12511.4
15°	12110.1
17.5°	11473.1
20°	10563.5
22.5°	9513.5
25°	8420.1
27.5°	7281.4
30°	6077.6
32.5°	5057.7
35°	4168.2
37.5°	3322.2
40°	2494.6
42.5°	1728.8
45°	1051.7
47.5°	566.8
50°	312.7
52.5°	185.6
55°	120.4
57.5°	76.9
60°	45.1
62.5°	20.1
65°	5.0
67.5°	1.7
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)