

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: P774731

Luminaire Tested: LD6D95BD010-EU6DR6570959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7083.5 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' 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

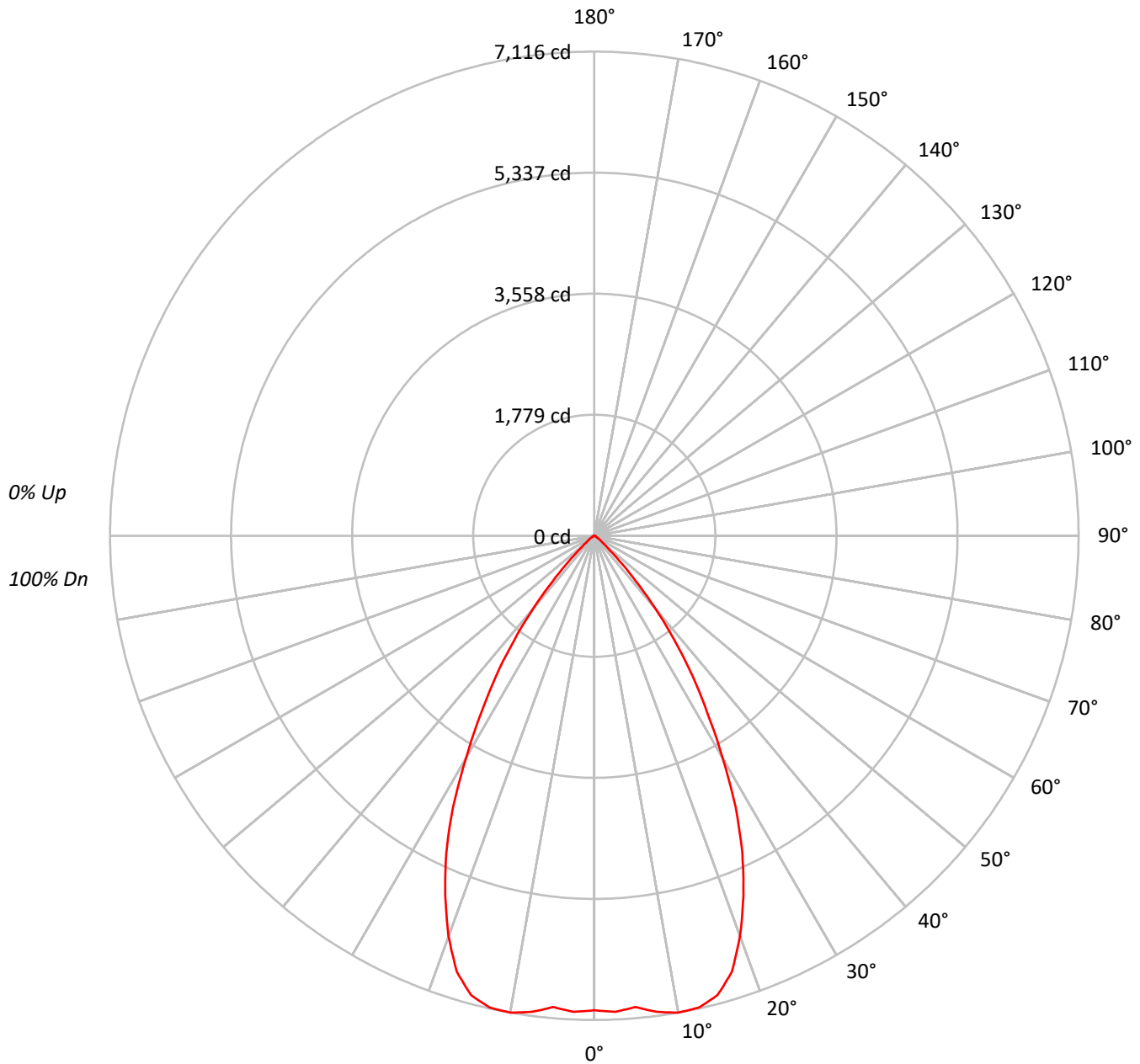


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	762006
5°	762636
10°	789494
15°	790799
20°	728066
25°	620345
30°	474892
35°	335511
40°	198041
45°	80396
50°	29151
55°	16230
60°	9309
65°	5119
70°	5367
75°	4179
80°	4342
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.6	9.5
10°-20°	1937.1	27.3
20°-30°	2324.2	32.8
30°-40°	1561.9	22.1
40°-50°	467.6	6.6
50°-60°	82.5	1.2
60°-70°	23.4	0.3
70°-80°	11.5	0.2
80°-90°	3.7	0.1
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°	4932.9	69.6
0°-40°	6494.9	91.7
0°-60°	7044.9	99.5
0°-90°	7083.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7083.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6974	
5°	6953	672
15°	6991	1937
25°	5146	2324
35°	2515	1562
45°	520	468
55°	85	82
65°	20	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6974.2
2.5°	7004.0
5°	6953.4
7.5°	7058.5
10°	7116.0
12.5°	7102.1
15°	6991.1
17.5°	6719.5
20°	6261.7
22.5°	5722.5
25°	5145.7
27.5°	4494.6
30°	3764.1
32.5°	3102.1
35°	2515.4
37.5°	1935.6
40°	1388.5
42.5°	906.8
45°	520.3
47.5°	275.5
50°	171.5
52.5°	118.9
55°	85.2
57.5°	61.4
60°	42.6
62.5°	27.8
65°	19.8
67.5°	17.8
70°	16.8
72.5°	12.9
75°	9.9
77.5°	8.9
80°	6.9
82.5°	5.0
85°	3.0
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)