

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: P774732

Luminaire Tested: LD6D95BD010-EU6DR6570959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774732
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-EU6DR6570959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9509.5 lumens
Efficiency: N/A
Efficacy: 95.9 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

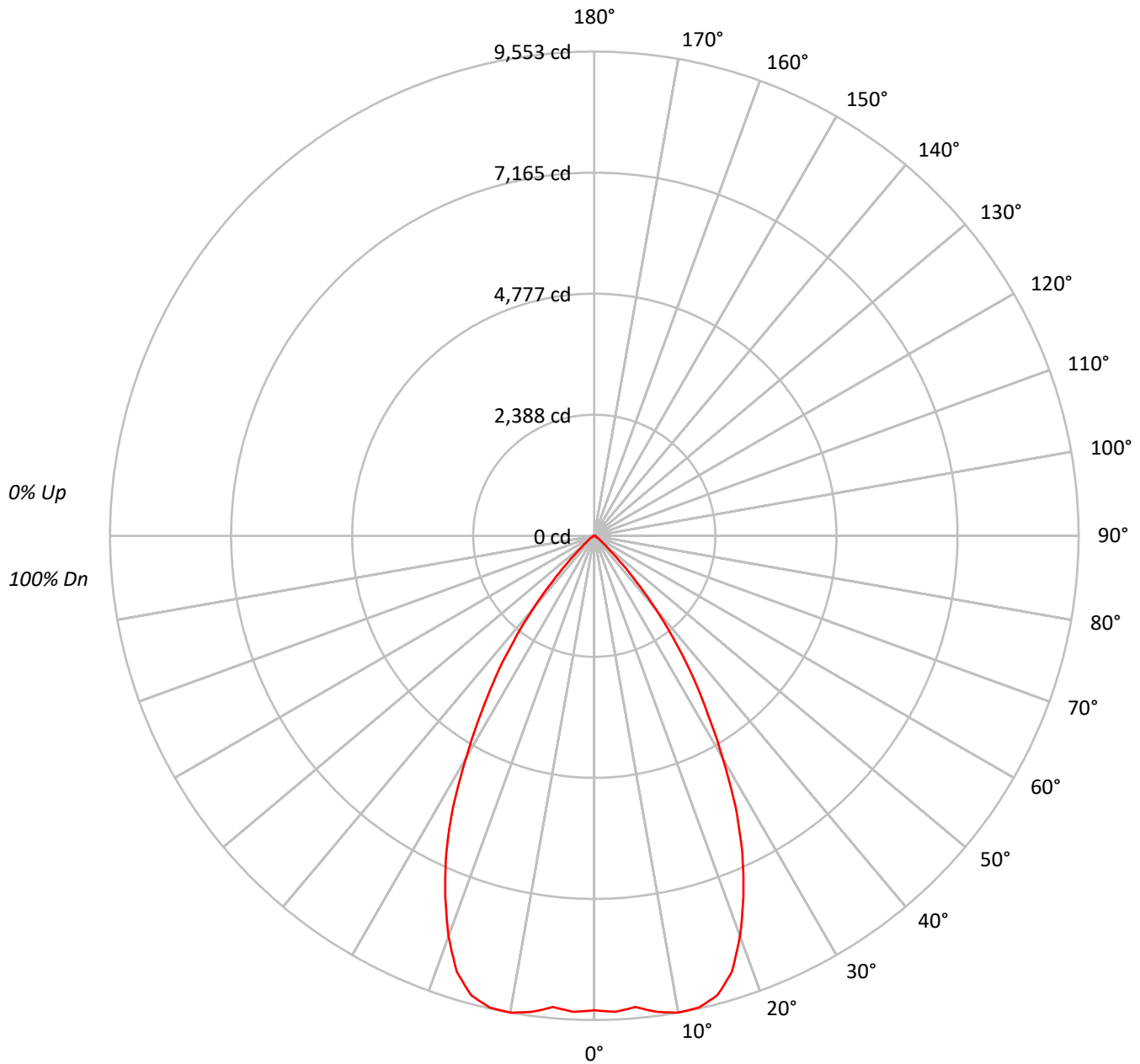


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1022987
5°	1023823
10°	1059870
15°	1061630
20°	977401
25°	832800
30°	637542
35°	450407
40°	265862
45°	107931
50°	39129
55°	21792
60°	12499
65°	6877
70°	7220
75°	5615
80°	5852
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 107931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.6	9.5
10°-20°	2600.6	27.3
20°-30°	3120.2	32.8
30°-40°	2096.9	22.1
40°-50°	627.7	6.6
50°-60°	110.8	1.2
60°-70°	31.5	0.3
70°-80°	15.4	0.2
80°-90°	4.9	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°	6622.3	69.6
0°-40°	8719.2	91.7
0°-60°	9457.7	99.5
0°-90°	9509.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9509.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9363	
5°	9335	902
15°	9385	2601
25°	6908	3120
35°	3377	2097
45°	698	628
55°	114	111
65°	27	31
75°	13	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9362.8
2.5°	9402.7
5°	9334.8
7.5°	9475.9
10°	9553.0
12.5°	9534.4
15°	9385.4
17.5°	9020.8
20°	8406.1
22.5°	7682.3
25°	6908.0
27.5°	6033.8
30°	5053.3
32.5°	4164.5
35°	3376.8
37.5°	2598.5
40°	1864.0
42.5°	1217.4
45°	698.5
47.5°	369.9
50°	230.2
52.5°	159.7
55°	114.4
57.5°	82.5
60°	57.2
62.5°	37.3
65°	26.6
67.5°	23.9
70°	22.6
72.5°	17.3
75°	13.3
77.5°	12.0
80°	9.3
82.5°	6.7
85°	4.0
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)