

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: P774745

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774745
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-EU6DR6570959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9796.9 lumens
Efficiency: N/A
Efficacy: 98.8 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

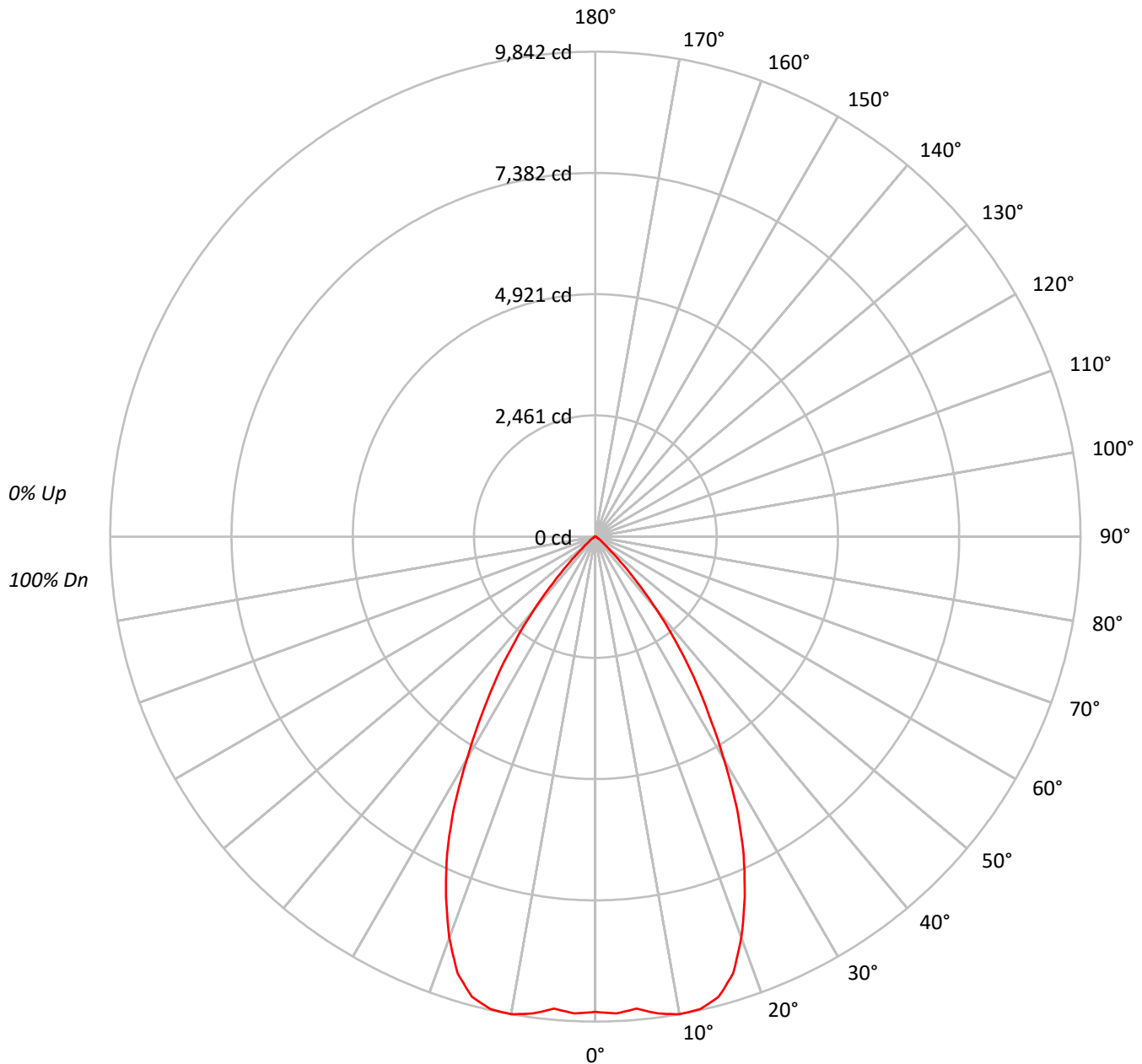


Downlight

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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°	1053896
5°	1054763
10°	1091900
15°	1093709
20°	1006946
25°	857960
30°	656807
35°	464025
40°	273906
45°	111191
50°	40302
55°	22459
60°	12871
65°	7084
70°	7443
75°	5783
80°	6040
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 111191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.8	9.5
10°-20°	2679.2	27.3
20°-30°	3214.5	32.8
30°-40°	2160.2	22.1
40°-50°	646.7	6.6
50°-60°	114.1	1.2
60°-70°	32.4	0.3
70°-80°	15.9	0.2
80°-90°	5.0	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°	6822.5	69.6
0°-40°	8982.7	91.7
0°-60°	9743.5	99.5
0°-90°	9796.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9796.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9646	
5°	9617	929
15°	9669	2679
25°	7117	3214
35°	3479	2160
45°	720	647
55°	118	114
65°	27	32
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9645.7
2.5°	9686.8
5°	9616.9
7.5°	9762.2
10°	9841.7
12.5°	9822.5
15°	9669.0
17.5°	9293.4
20°	8660.2
22.5°	7914.5
25°	7116.7
27.5°	6216.2
30°	5206.0
32.5°	4290.3
35°	3478.9
37.5°	2677.0
40°	1920.4
42.5°	1254.2
45°	719.6
47.5°	381.1
50°	237.1
52.5°	164.5
55°	117.9
57.5°	85.0
60°	58.9
62.5°	38.4
65°	27.4
67.5°	24.7
70°	23.3
72.5°	17.8
75°	13.7
77.5°	12.3
80°	9.6
82.5°	6.9
85°	4.1
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)