

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: P774788

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10986.2 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

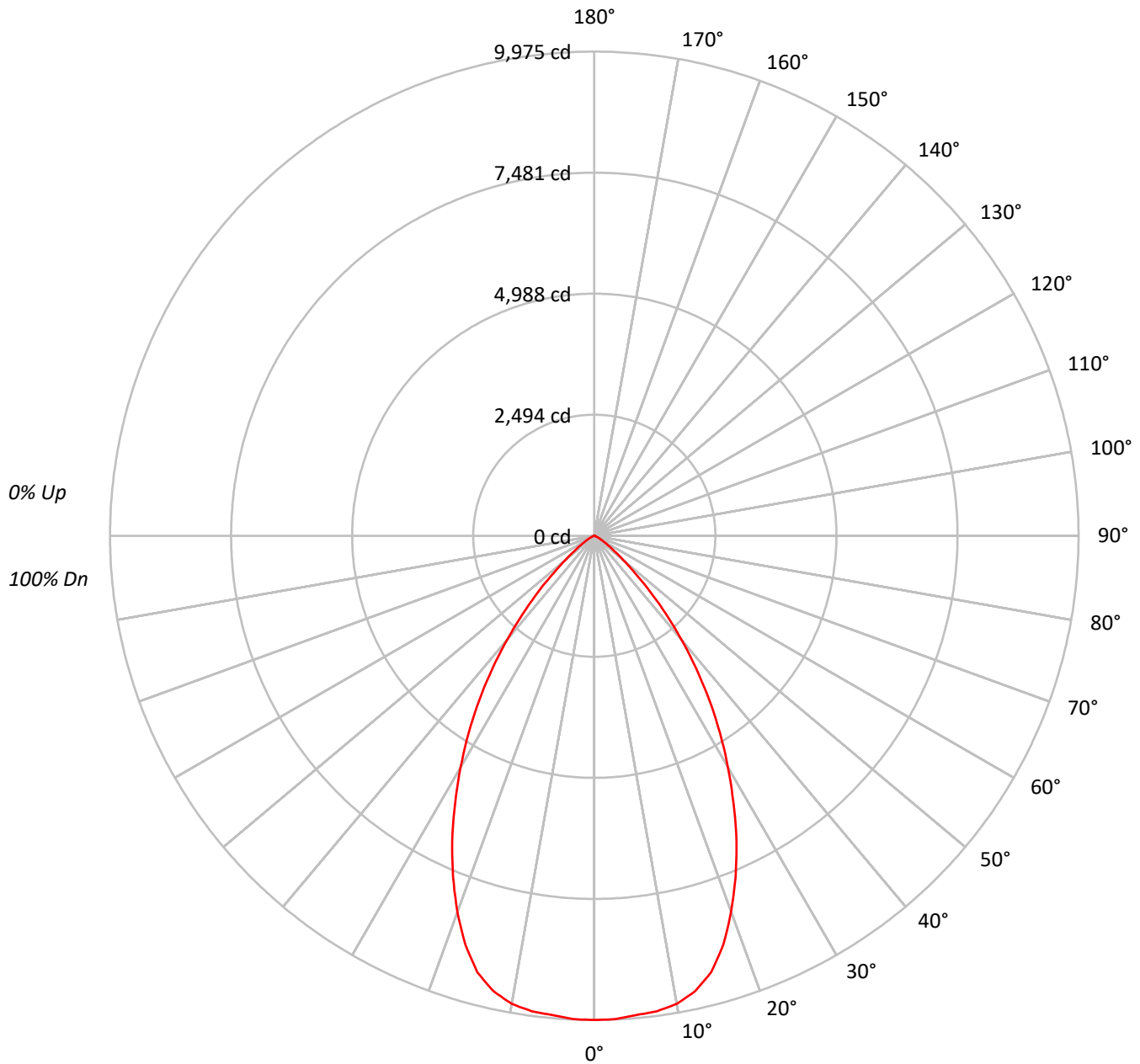


Downlight

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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				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	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	582590
5°	581122
10°	580624
15°	562728
20°	512295
25°	446432
30°	371306
35°	294204
40°	212338
45°	134152
50°	69926
55°	37166
60°	19519
65°	10738
70°	4508
75°	4964
80°	3464
85°	2948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 134152 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	943.3	8.6
10°-20°	2583.2	23.5
20°-30°	3157.6	28.7
30°-40°	2562.0	23.3
40°-50°	1276.7	11.6
50°-60°	356.1	3.2
60°-70°	80.9	0.7
70°-80°	21.1	0.2
80°-90°	5.4	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°	6684.1	60.8
0°-40°	9246.1	84.2
0°-60°	10878.9	99.0
0°-90°	10986.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10986.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9975	
5°	9912	943
15°	9307	2583
25°	6928	3158
35°	4126	2562
45°	1624	1277
55°	365	356
65°	78	81
75°	22	21
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9975.2
2.5°	9967.9
5°	9912.2
7.5°	9879.9
10°	9790.5
12.5°	9608.7
15°	9306.8
17.5°	8834.8
20°	8242.6
22.5°	7603.4
25°	6927.7
27.5°	6205.0
30°	5505.8
32.5°	4815.4
35°	4126.4
37.5°	3438.9
40°	2785.1
42.5°	2172.4
45°	1624.2
47.5°	1131.6
50°	769.6
52.5°	530.6
55°	365.0
57.5°	246.3
60°	167.1
62.5°	115.8
65°	77.7
67.5°	39.6
70°	26.4
72.5°	24.9
75°	22.0
77.5°	14.7
80°	10.3
82.5°	7.3
85°	4.4
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)