

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: P774789

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774789
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-EU6DR6570959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 11535.6 lumens
Efficiency: N/A
Efficacy: 116.3 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

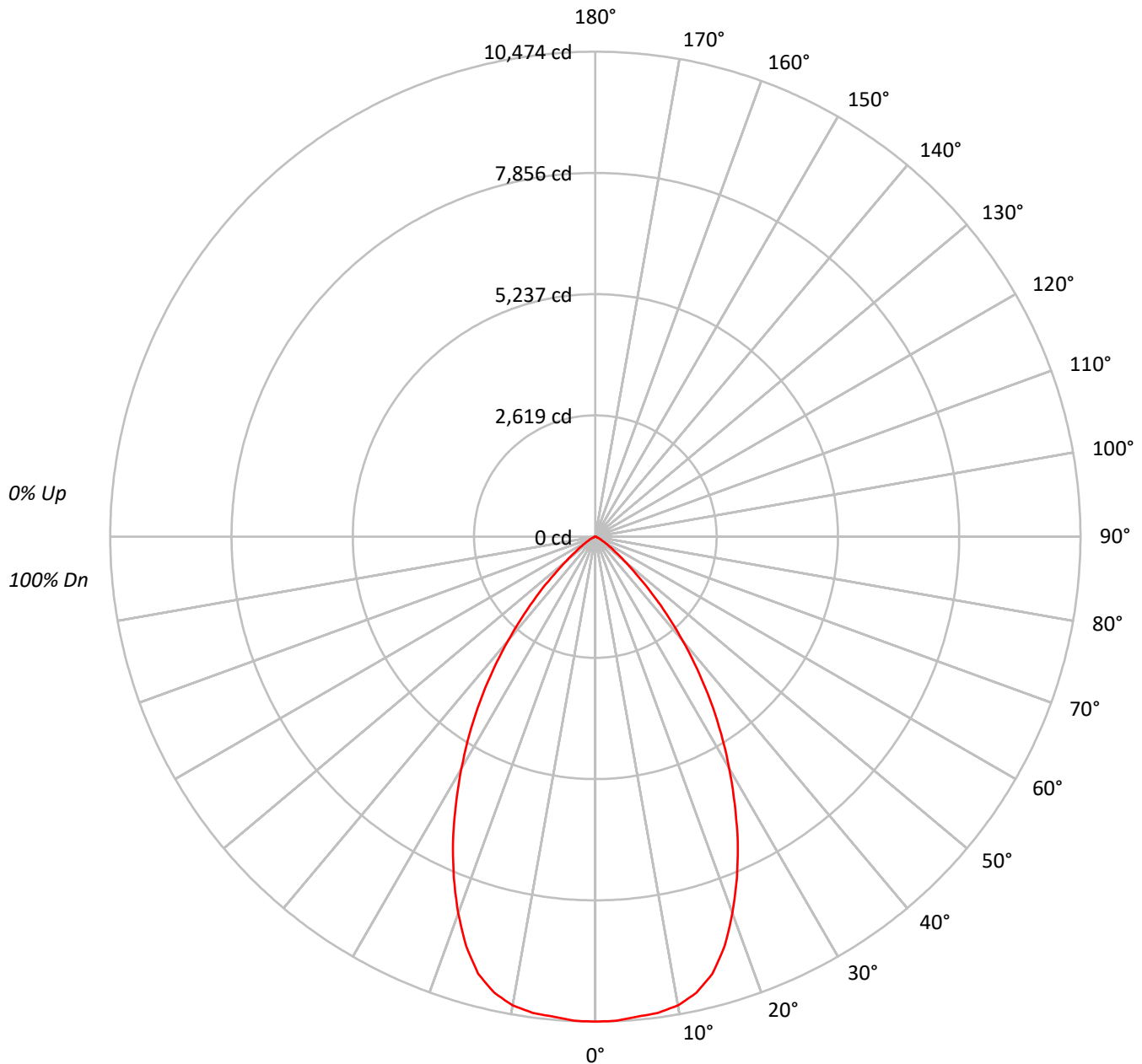


Downlight

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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°	611722
5°	610178
10°	609654
15°	590862
20°	537908
25°	468754
30°	389871
35°	308913
40°	222959
45°	140858
50°	73424
55°	39029
60°	20500
65°	11277
70°	4730
75°	5213
80°	3632
85°	3083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 140858 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.5	8.6
10°-20°	2712.4	23.5
20°-30°	3315.5	28.7
30°-40°	2690.1	23.3
40°-50°	1340.5	11.6
50°-60°	373.9	3.2
60°-70°	85.0	0.7
70°-80°	22.1	0.2
80°-90°	5.7	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°	7018.4	60.8
0°-40°	9708.4	84.2
0°-60°	11422.9	99.0
0°-90°	11535.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11535.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10474	
5°	10408	991
15°	9772	2712
25°	7274	3315
35°	4333	2690
45°	1705	1341
55°	383	374
65°	82	85
75°	23	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10474.0
2.5°	10466.3
5°	10407.8
7.5°	10373.9
10°	10280.0
12.5°	10089.2
15°	9772.1
17.5°	9276.5
20°	8654.7
22.5°	7983.6
25°	7274.1
27.5°	6515.3
30°	5781.1
32.5°	5056.1
35°	4332.7
37.5°	3610.9
40°	2924.4
42.5°	2281.0
45°	1705.4
47.5°	1188.2
50°	808.1
52.5°	557.2
55°	383.3
57.5°	258.6
60°	175.5
62.5°	121.6
65°	81.6
67.5°	41.6
70°	27.7
72.5°	26.2
75°	23.1
77.5°	15.4
80°	10.8
82.5°	7.7
85°	4.6
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)