

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: P773189

Luminaire Tested: LD6D85BD010-EU6DR6570959030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773189
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: LD6D85BD010-EU6DR6570959030-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 9490.6 lumens
Efficiency: N/A
Efficacy: 108.2 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): 87.7
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

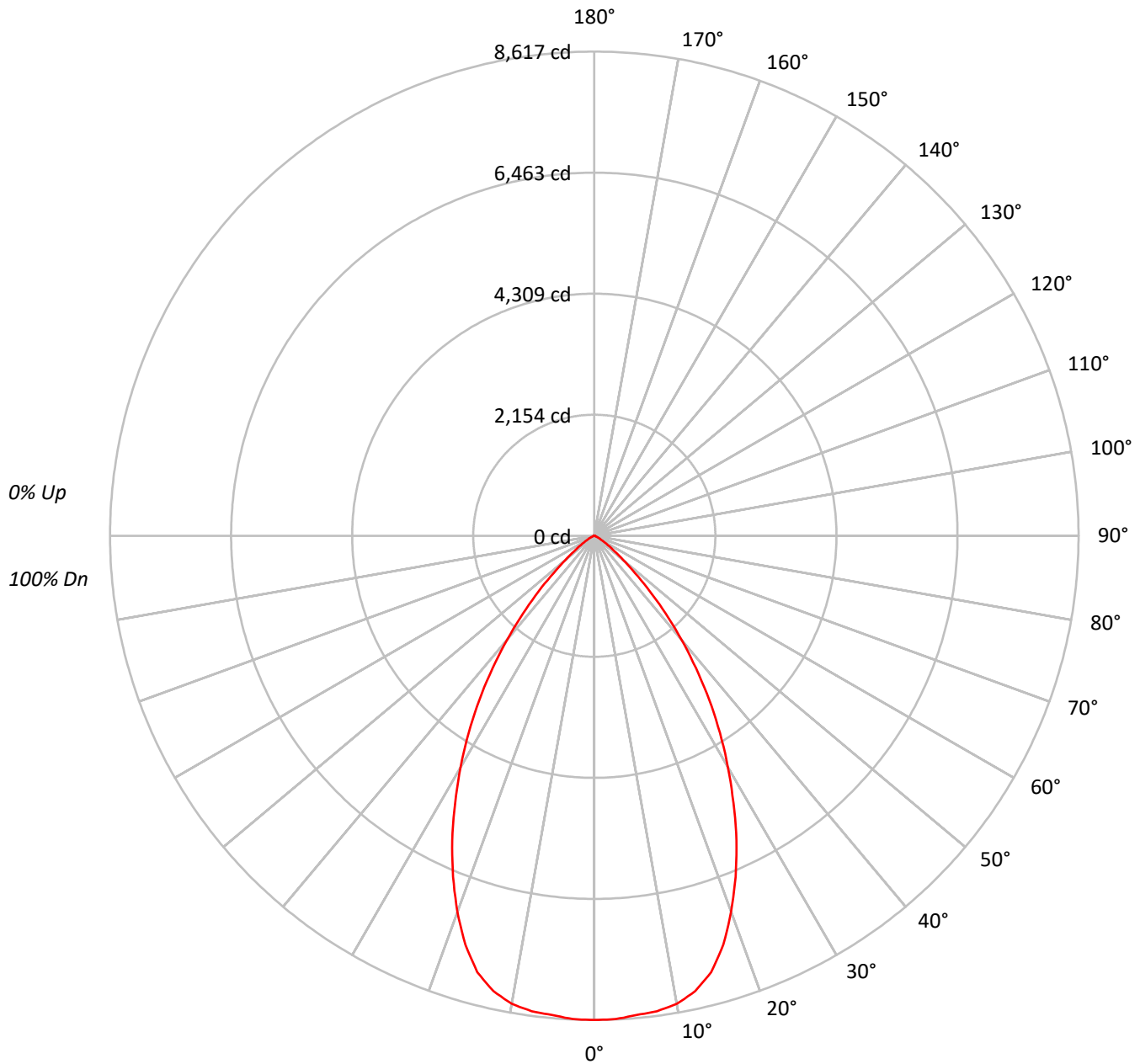


Downlight

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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	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°	503278
5°	502011
10°	501583
15°	486120
20°	442554
25°	385657
30°	320760
35°	254156
40°	183435
45°	115890
50°	60404
55°	32105
60°	16867
65°	9273
70°	3893
75°	4287
80°	2993
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 115890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	814.9	8.6
10°-20°	2231.6	23.5
20°-30°	2727.7	28.7
30°-40°	2213.2	23.3
40°-50°	1102.9	11.6
50°-60°	307.6	3.2
60°-70°	69.9	0.7
70°-80°	18.2	0.2
80°-90°	4.6	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°	5774.2	60.8
0°-40°	7987.4	84.2
0°-60°	9397.9	99.0
0°-90°	9490.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9490.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8617	
5°	8563	815
15°	8040	2232
25°	5985	2728
35°	3565	2213
45°	1403	1103
55°	315	308
65°	67	70
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8617.2
2.5°	8610.9
5°	8562.8
7.5°	8534.9
10°	8457.7
12.5°	8300.7
15°	8039.8
17.5°	7632.0
20°	7120.5
22.5°	6568.3
25°	5984.6
27.5°	5360.3
30°	4756.3
32.5°	4159.8
35°	3564.7
37.5°	2970.8
40°	2406.0
42.5°	1876.7
45°	1403.1
47.5°	977.6
50°	664.8
52.5°	458.4
55°	315.3
57.5°	212.7
60°	144.4
62.5°	100.0
65°	67.1
67.5°	34.2
70°	22.8
72.5°	21.5
75°	19.0
77.5°	12.7
80°	8.9
82.5°	6.3
85°	3.8
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)