

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: P736049

Luminaire Tested: LD6D15D010-EU6DR650215IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P736049
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: LD6D15D010-EU6DR650215IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

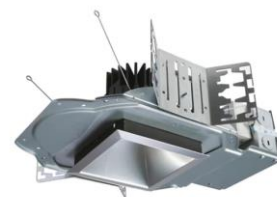
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1292.1 lumens
Efficiency: N/A
Efficacy: 81.8 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): 15.8
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



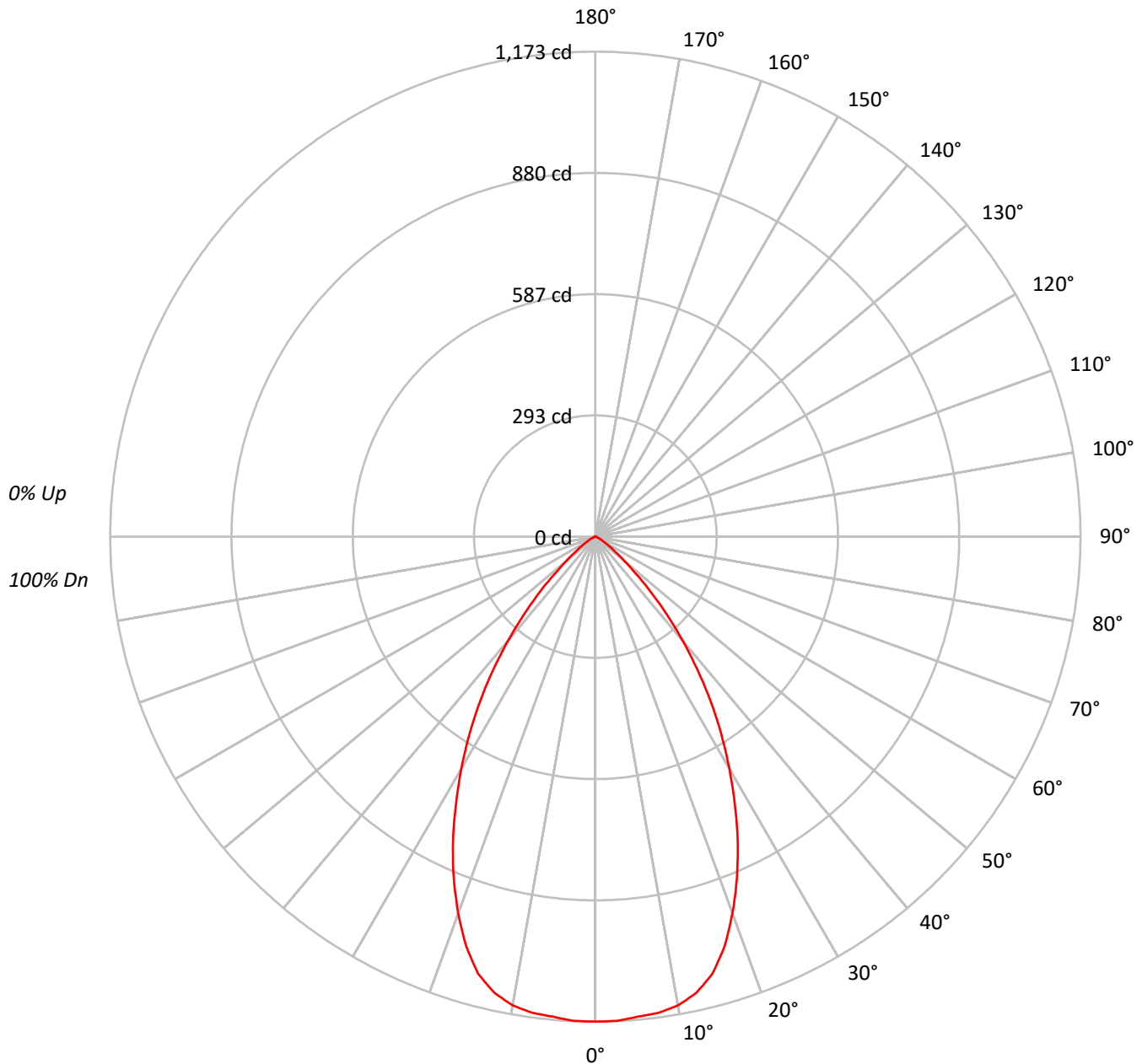
Downlight



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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°	68525
5°	68347
10°	68290
15°	66184
20°	60256
25°	52513
30°	43673
35°	34601
40°	24976
45°	15776
50°	8223
55°	4368
60°	2301
65°	1258
70°	529
75°	587
80°	404
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15776 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	8.6
10°-20°	303.8	23.5
20°-30°	371.4	28.7
30°-40°	301.3	23.3
40°-50°	150.2	11.6
50°-60°	41.9	3.2
60°-70°	9.5	0.7
70°-80°	2.5	0.2
80°-90°	0.6	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°	786.2	60.8
0°-40°	1087.5	84.2
0°-60°	1279.5	99.0
0°-90°	1292.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1292.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1173	
5°	1166	111
15°	1095	304
25°	815	371
35°	485	301
45°	191	150
55°	43	42
65°	9	9
75°	3	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1173.3
2.5°	1172.4
5°	1165.8
7.5°	1162.1
10°	1151.5
12.5°	1130.1
15°	1094.6
17.5°	1039.1
20°	969.5
22.5°	894.3
25°	814.9
27.5°	729.8
30°	647.6
32.5°	566.4
35°	485.3
37.5°	404.5
40°	327.6
42.5°	255.5
45°	191.0
47.5°	133.1
50°	90.5
52.5°	62.4
55°	42.9
57.5°	29.0
60°	19.7
62.5°	13.6
65°	9.1
67.5°	4.6
70°	3.1
72.5°	2.9
75°	2.6
77.5°	1.7
80°	1.2
82.5°	0.9
85°	0.5
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)