

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: P761836

Luminaire Tested: LD6D15D010-EU6DR700215IC9050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1511.4 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' 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



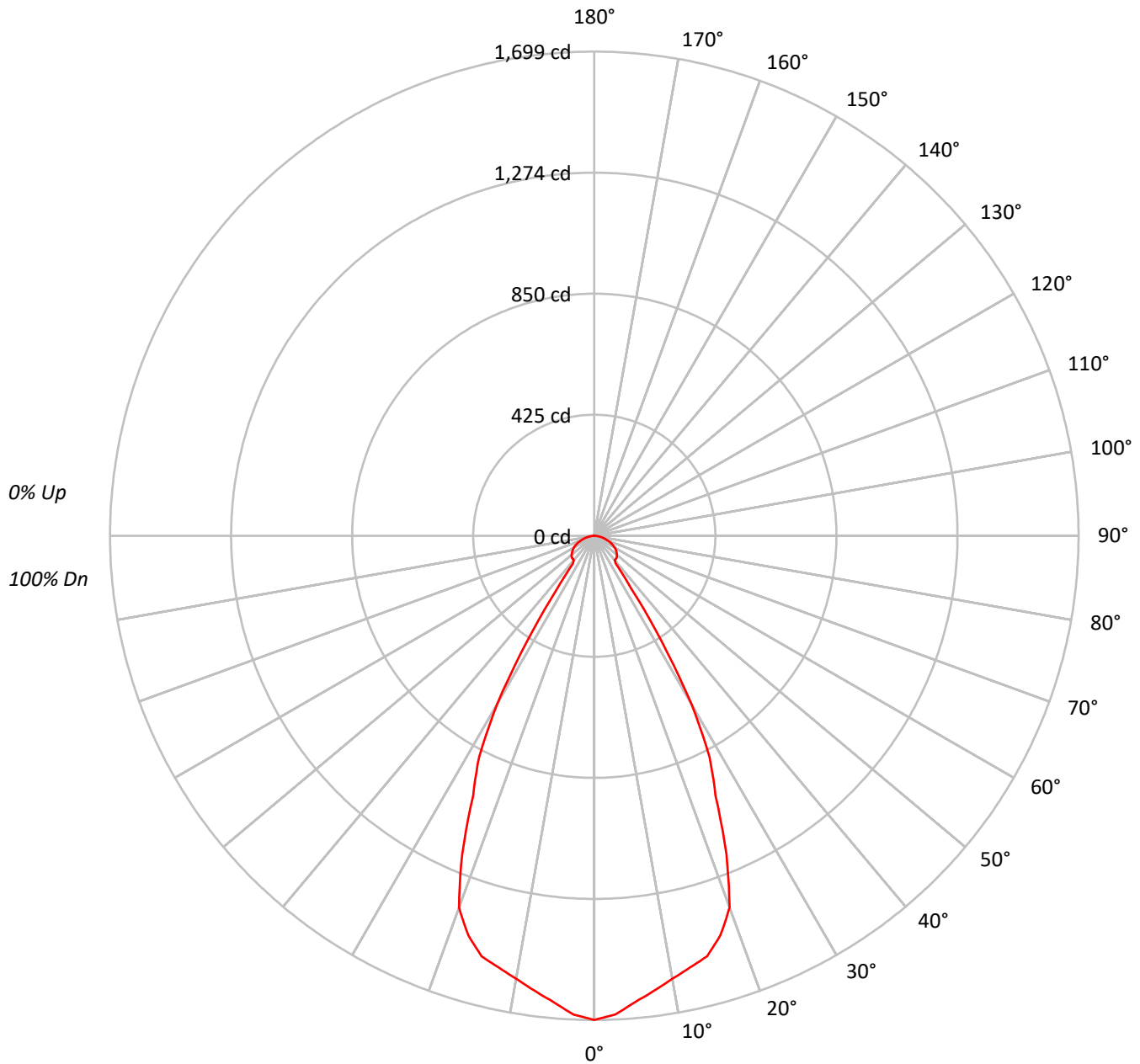
Downlight



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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185645
5°	180135
10°	175118
15°	172817
20°	161375
25°	121231
30°	85703
35°	30358
40°	15960
45°	16997
50°	17610
55°	17925
60°	18050
65°	17684
70°	16676
75°	15451
80°	13717
85°	11157

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 18058 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	10.2
10°-20°	424.9	28.1
20°-30°	468.0	31.0
30°-40°	178.8	11.8
40°-50°	84.4	5.6
50°-60°	83.9	5.6
60°-70°	67.2	4.4
70°-80°	38.6	2.6
80°-90°	10.5	0.7
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°	1047.8	69.3
0°-40°	1226.6	81.2
0°-60°	1395.0	92.3
0°-90°	1511.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1699	
5°	1642	155
15°	1528	425
25°	1006	468
35°	228	179
45°	110	84
55°	94	84
65°	68	67
75°	37	39
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1699.1
2.5°	1681.4
5°	1642.4
7.5°	1609.8
10°	1578.4
12.5°	1551.7
15°	1527.8
17.5°	1470.0
20°	1387.9
22.5°	1210.9
25°	1005.6
27.5°	875.4
30°	679.3
32.5°	438.8
35°	227.6
37.5°	123.0
40°	111.9
42.5°	111.1
45°	110.0
47.5°	107.6
50°	103.6
52.5°	99.0
55°	94.1
57.5°	88.8
60°	82.6
62.5°	75.6
65°	68.4
67.5°	60.3
70°	52.2
72.5°	44.1
75°	36.6
77.5°	28.8
80°	21.8
82.5°	15.4
85°	8.9
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)