

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: P761788

Luminaire Tested: LD6D15D010-EU6DR700215IC9027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761788
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-EU6DR700215IC9027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1365.3 lumens
Efficiency: N/A
Efficacy: 86.4 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



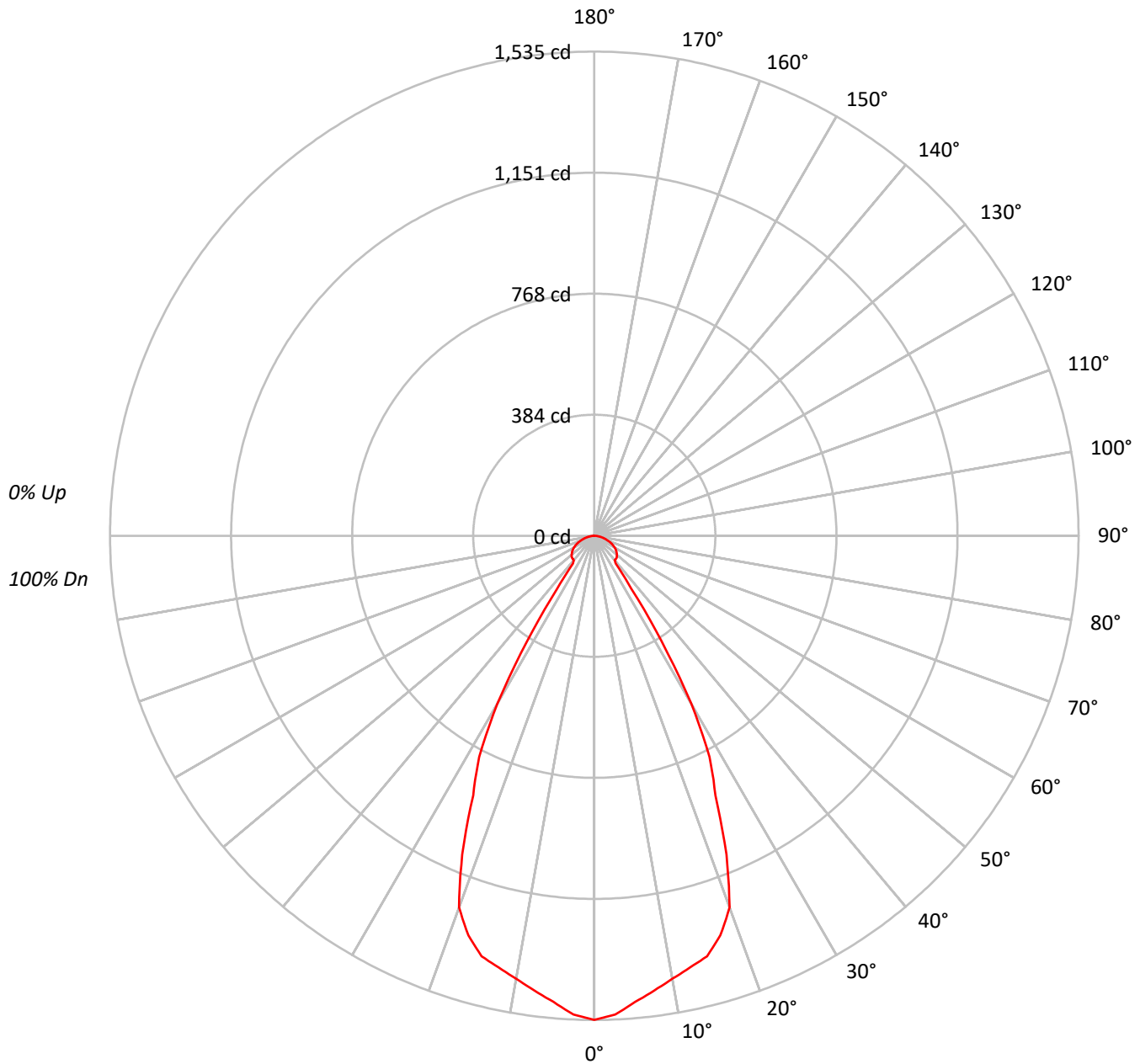
Downlight



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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°	167704
5°	162729
10°	158187
15°	156110
20°	145783
25°	109513
30°	77414
35°	27423
40°	14420
45°	15359
50°	15910
55°	16211
60°	16302
65°	15951
70°	15078
75°	13973
80°	12395
85°	10029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 16309 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	10.2
10°-20°	383.9	28.1
20°-30°	422.8	31.0
30°-40°	161.5	11.8
40°-50°	76.3	5.6
50°-60°	75.8	5.6
60°-70°	60.7	4.4
70°-80°	34.9	2.6
80°-90°	9.5	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°	946.6	69.3
0°-40°	1108.1	81.2
0°-60°	1260.2	92.3
0°-90°	1365.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1535	
5°	1484	140
15°	1380	384
25°	908	423
35°	206	162
45°	99	76
55°	85	76
65°	62	61
75°	33	35
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1534.9
2.5°	1518.9
5°	1483.7
7.5°	1454.3
10°	1425.8
12.5°	1401.8
15°	1380.1
17.5°	1327.9
20°	1253.8
22.5°	1093.9
25°	908.4
27.5°	790.8
30°	613.6
32.5°	396.4
35°	205.6
37.5°	111.0
40°	101.1
42.5°	100.4
45°	99.4
47.5°	97.2
50°	93.6
52.5°	89.4
55°	85.1
57.5°	80.2
60°	74.6
62.5°	68.3
65°	61.7
67.5°	54.4
70°	47.2
72.5°	39.9
75°	33.1
77.5°	26.0
80°	19.7
82.5°	13.9
85°	8.0
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)