

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: P761628

Luminaire Tested: LD6D15D010-EU6DR600215IC9024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1283.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



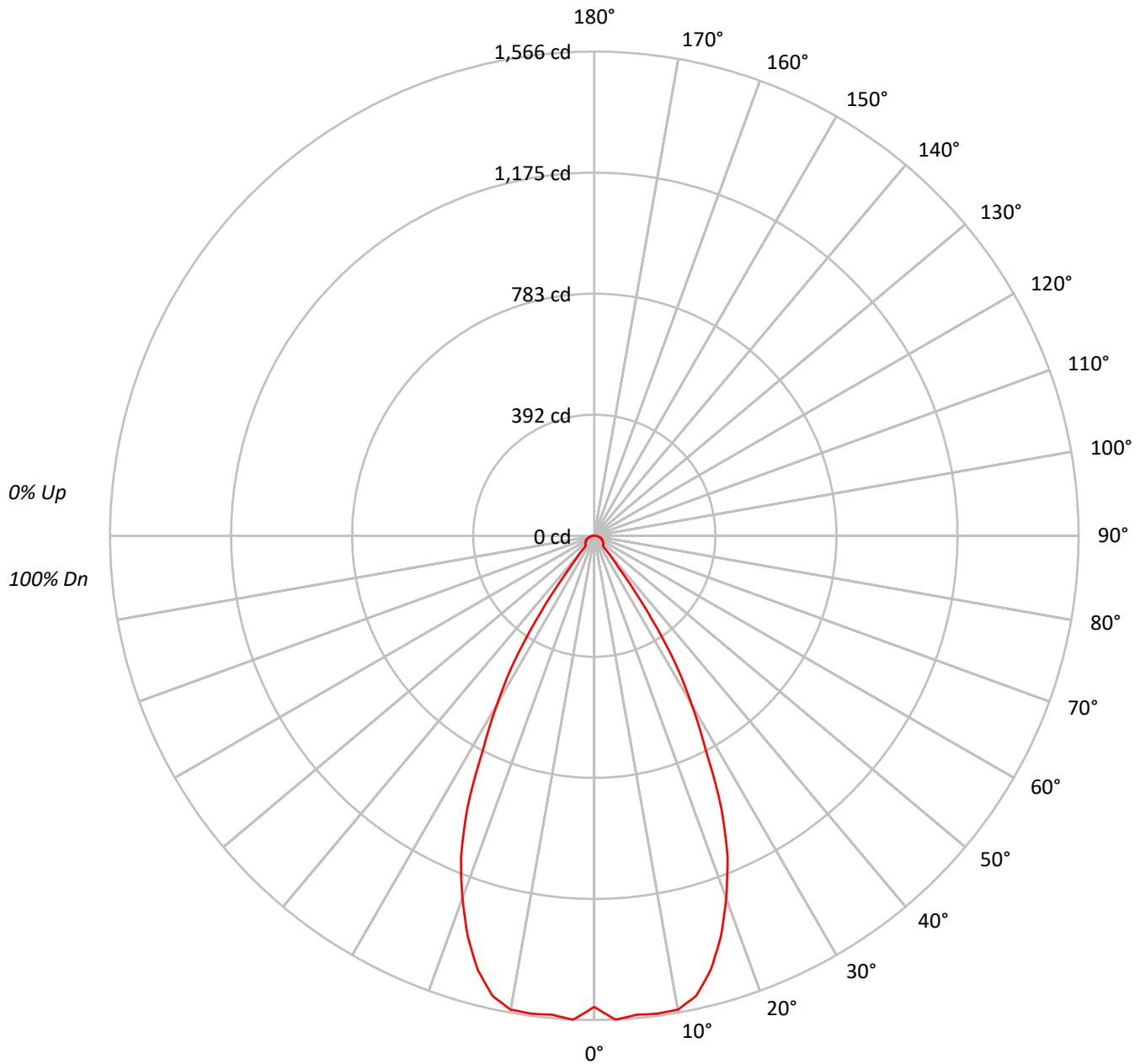
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166481
5°	170571
10°	172632
15°	164458
20°	145004
25°	117277
30°	79332
35°	39748
40°	6447
45°	6320
50°	6442
55°	6534
60°	6709
65°	6877
70°	7028
75°	7092
80°	6858
85°	5767

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 7092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	11.6
10°-20°	402.2	31.3
20°-30°	432.7	33.7
30°-40°	188.1	14.7
40°-50°	31.6	2.5
50°-60°	30.7	2.4
60°-70°	26.3	2.0
70°-80°	17.6	1.4
80°-90°	5.3	0.4
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°	983.5	76.7
0°-40°	1171.5	91.3
0°-60°	1233.9	96.2
0°-90°	1283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1524	
5°	1555	149
15°	1454	402
25°	973	433
35°	298	188
45°	41	32
55°	34	31
65°	27	26
75°	17	18
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1523.7
2.5°	1566.5
5°	1555.2
7.5°	1558.8
10°	1556.0
12.5°	1523.9
15°	1453.9
17.5°	1359.9
20°	1247.1
22.5°	1126.3
25°	972.8
27.5°	778.1
30°	628.8
32.5°	484.6
35°	298.0
37.5°	127.5
40°	45.2
42.5°	41.7
45°	40.9
47.5°	39.5
50°	37.9
52.5°	36.1
55°	34.3
57.5°	32.5
60°	30.7
62.5°	28.8
65°	26.6
67.5°	24.4
70°	22.0
72.5°	19.4
75°	16.8
77.5°	13.9
80°	10.9
82.5°	7.7
85°	4.6
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)