

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: P761627

Luminaire Tested: LD6D15D010-EU6DR600215IC9024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761627
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-EU6DR600215IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 1221.9 lumens
Efficiency: N/A
Efficacy: 77.3 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 (A_{in}): 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



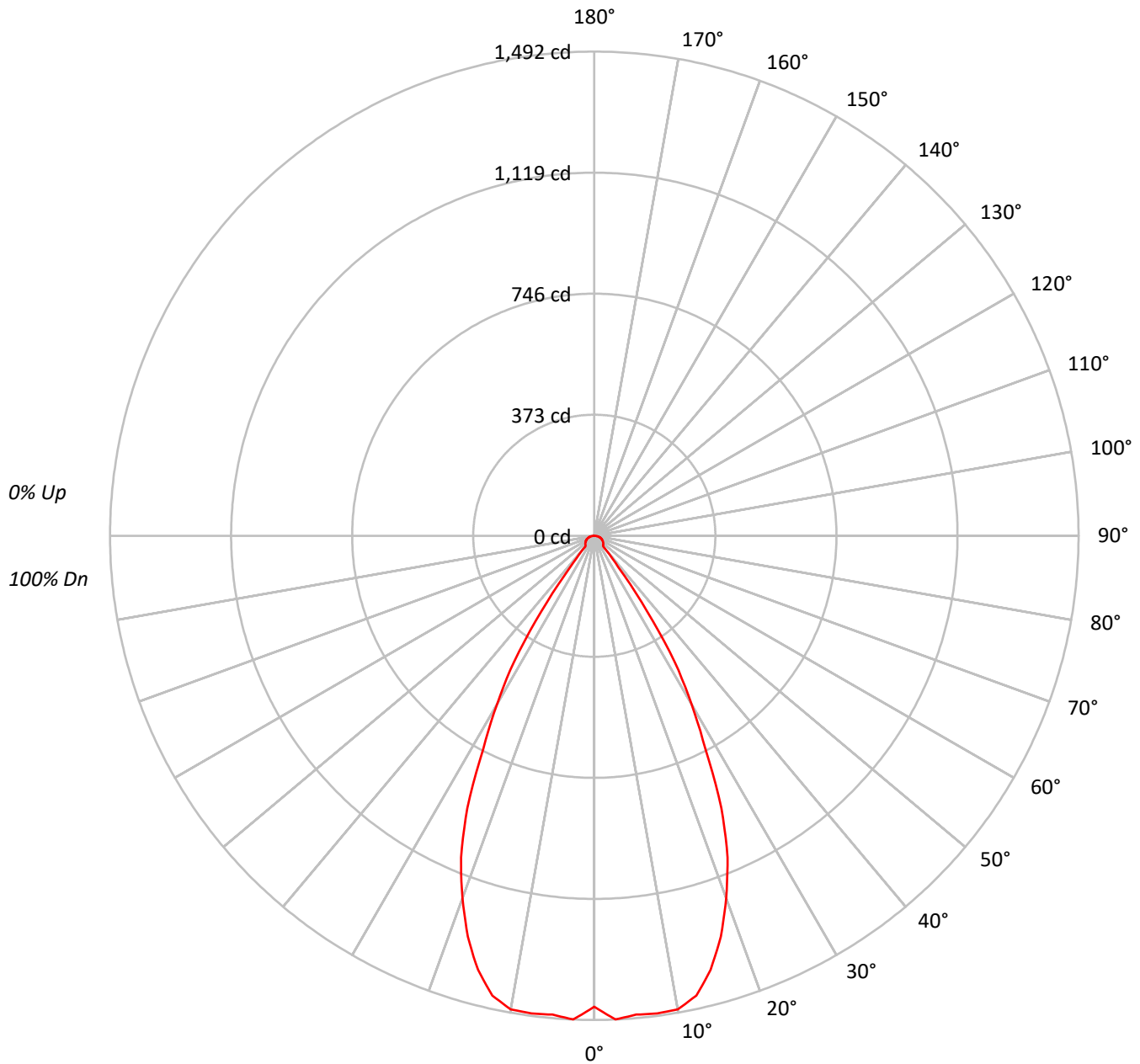
Downlight



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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°	158548
5°	162444
10°	164411
15°	156630
20°	138097
25°	111695
30°	75547
35°	37854
40°	6147
45°	6011
50°	6136
55°	6229
60°	6403
65°	6541
70°	6709
75°	6754
80°	6544
85°	5516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 6754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	11.6
10°-20°	383.0	31.3
20°-30°	412.1	33.7
30°-40°	179.1	14.7
40°-50°	30.1	2.5
50°-60°	29.3	2.4
60°-70°	25.0	2.0
70°-80°	16.7	1.4
80°-90°	5.0	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°	936.7	76.7
0°-40°	1115.8	91.3
0°-60°	1175.1	96.2
0°-90°	1221.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1451	
5°	1481	142
15°	1385	383
25°	926	412
35°	284	179
45°	39	30
55°	33	29
65°	25	25
75°	16	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1451.1
2.5°	1491.9
5°	1481.1
7.5°	1484.6
10°	1481.9
12.5°	1451.3
15°	1384.7
17.5°	1295.2
20°	1187.7
22.5°	1072.7
25°	926.5
27.5°	741.1
30°	598.8
32.5°	461.6
35°	283.8
37.5°	121.4
40°	43.1
42.5°	39.6
45°	38.9
47.5°	37.6
50°	36.1
52.5°	34.4
55°	32.7
57.5°	31.0
60°	29.3
62.5°	27.4
65°	25.3
67.5°	23.2
70°	21.0
72.5°	18.5
75°	16.0
77.5°	13.2
80°	10.4
82.5°	7.4
85°	4.4
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)