

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: P761653

Luminaire Tested: LD6D15D010-EU6DR600215IC9030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761653
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-EU6DR600215IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1400.5 lumens
Efficiency: N/A
Efficacy: 88.6 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



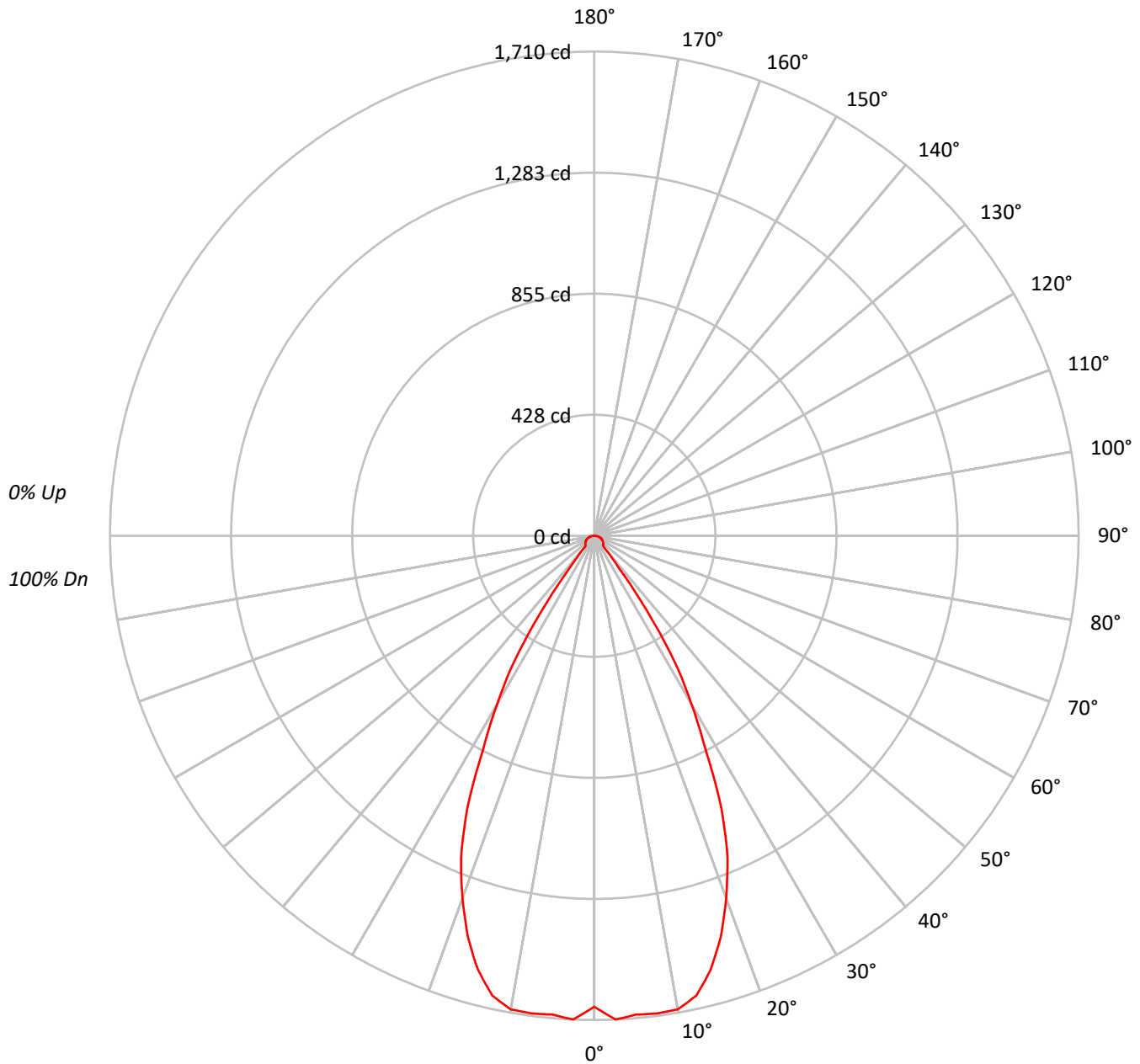
Downlight



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181733
5°	186201
10°	188453
15°	179525
20°	158282
25°	128030
30°	86599
35°	43389
40°	7032
45°	6892
50°	7037
55°	7143
60°	7342
65°	7497
70°	7667
75°	7768
80°	7488
85°	6268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 7768 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	11.6
10°-20°	439.0	31.3
20°-30°	472.3	33.7
30°-40°	205.3	14.7
40°-50°	34.5	2.5
50°-60°	33.6	2.4
60°-70°	28.7	2.0
70°-80°	19.2	1.4
80°-90°	5.7	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°	1073.6	76.7
0°-40°	1278.9	91.3
0°-60°	1346.9	96.2
0°-90°	1400.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1400.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1663	
5°	1698	162
15°	1587	439
25°	1062	472
35°	325	205
45°	45	34
55°	38	34
65°	29	29
75°	18	19
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1663.3
2.5°	1710.1
5°	1697.7
7.5°	1701.6
10°	1698.6
12.5°	1663.5
15°	1587.1
17.5°	1484.5
20°	1361.3
22.5°	1229.5
25°	1062.0
27.5°	849.4
30°	686.4
32.5°	529.1
35°	325.3
37.5°	139.2
40°	49.3
42.5°	45.4
45°	44.6
47.5°	43.1
50°	41.4
52.5°	39.4
55°	37.5
57.5°	35.5
60°	33.6
62.5°	31.4
65°	29.0
67.5°	26.6
70°	24.0
72.5°	21.2
75°	18.4
77.5°	15.1
80°	11.9
82.5°	8.4
85°	5.0
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)