

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: P761676

Luminaire Tested: LD6D15D010-EU6DR600215IC9040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761676
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-EU6DR600215IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1595.4 lumens
Efficiency: N/A
Efficacy: 101.0 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



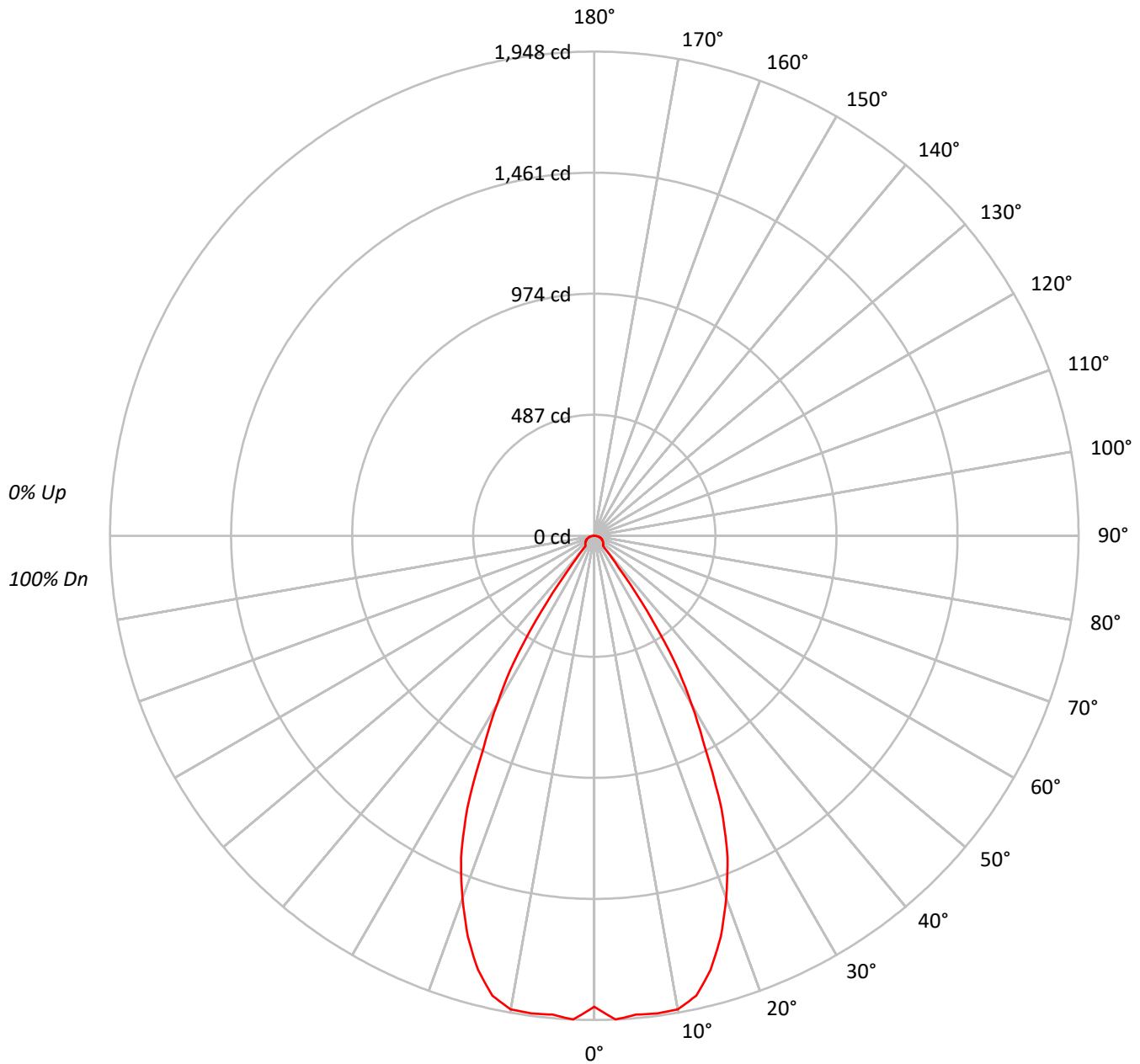
Downlight



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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°	207016
5°	212107
10°	214670
15°	204501
20°	180304
25°	145836
30°	98647
35°	49432
40°	8016
45°	7850
50°	8006
55°	8134
60°	8348
65°	8557
70°	8753
75°	8865
80°	8557
85°	7146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	11.6
10°-20°	500.1	31.3
20°-30°	538.0	33.7
30°-40°	233.9	14.7
40°-50°	39.3	2.5
50°-60°	38.2	2.4
60°-70°	32.7	2.0
70°-80°	21.9	1.4
80°-90°	6.5	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°	1222.9	76.7
0°-40°	1456.8	91.3
0°-60°	1534.3	96.2
0°-90°	1595.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1595.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1895	
5°	1934	185
15°	1808	500
25°	1210	538
35°	371	234
45°	51	39
55°	43	38
65°	33	33
75°	21	22
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1894.7
2.5°	1948.0
5°	1933.9
7.5°	1938.3
10°	1934.9
12.5°	1894.9
15°	1807.9
17.5°	1691.0
20°	1550.7
22.5°	1400.6
25°	1209.7
27.5°	967.5
30°	781.9
32.5°	602.6
35°	370.6
37.5°	158.5
40°	56.2
42.5°	51.8
45°	50.8
47.5°	49.0
50°	47.1
52.5°	44.9
55°	42.7
57.5°	40.5
60°	38.2
62.5°	35.8
65°	33.1
67.5°	30.3
70°	27.4
72.5°	24.2
75°	21.0
77.5°	17.2
80°	13.6
82.5°	9.6
85°	5.7
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)