

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: P761688

Luminaire Tested: LD6D15D010-EU6DR600215IC9050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761688
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-EU6DR600215IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1501.5 lumens
Efficiency: N/A
Efficacy: 95.0 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 (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



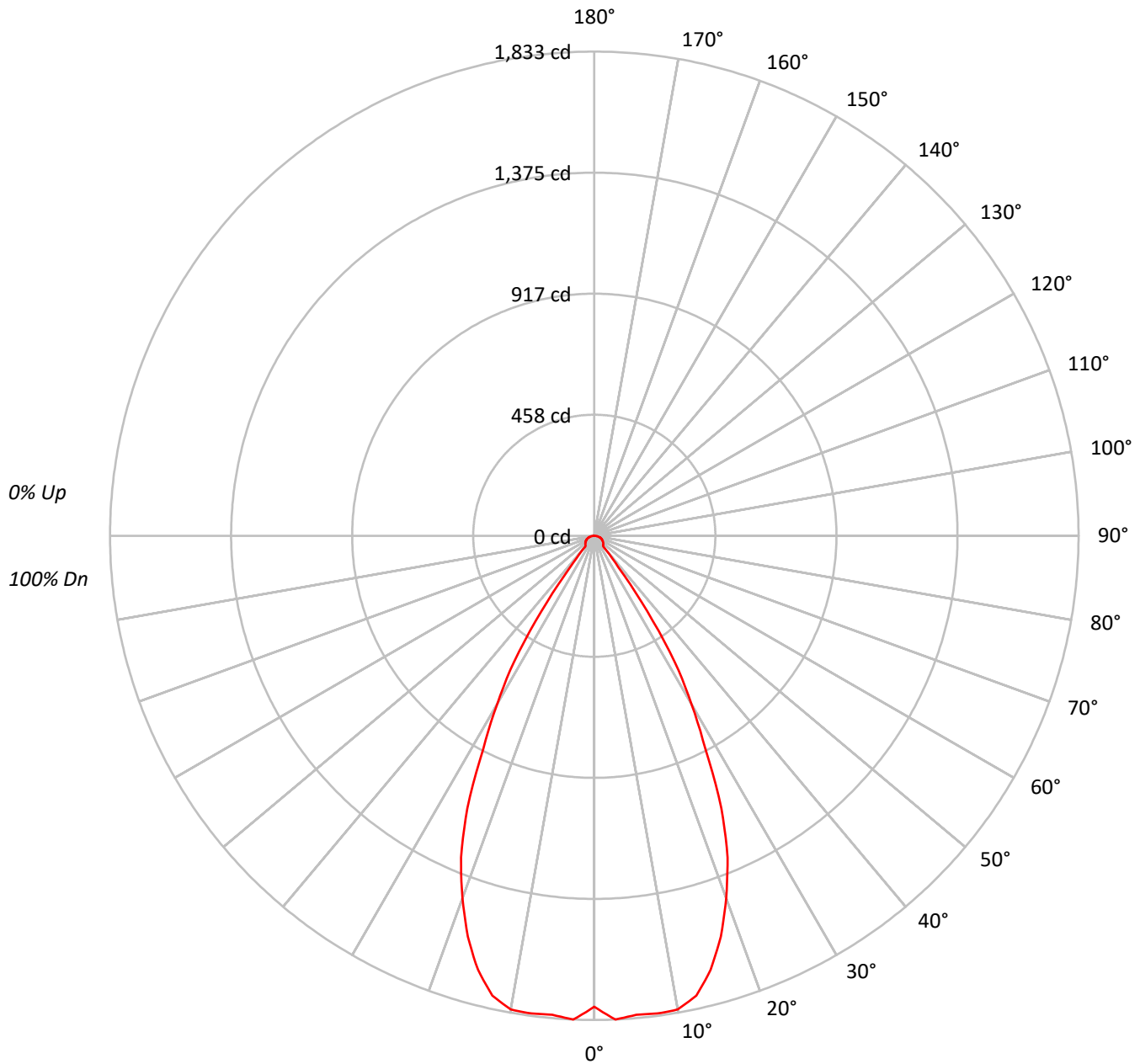
Downlight



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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°	194834
5°	199625
10°	202033
15°	192465
20°	169700
25°	137253
30°	92844
35°	46524
40°	7545
45°	7386
50°	7530
55°	7658
60°	7867
65°	8040
70°	8242
75°	8316
80°	8054
85°	6644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 8316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	11.6
10°-20°	470.6	31.3
20°-30°	506.4	33.7
30°-40°	220.1	14.7
40°-50°	37.0	2.5
50°-60°	35.9	2.4
60°-70°	30.7	2.0
70°-80°	20.6	1.4
80°-90°	6.1	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°	1151.0	76.7
0°-40°	1371.1	91.3
0°-60°	1444.0	96.2
0°-90°	1501.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1501.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1783	
5°	1820	174
15°	1702	471
25°	1138	506
35°	349	220
45°	48	37
55°	40	36
65°	31	31
75°	20	21
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1783.2
2.5°	1833.3
5°	1820.1
7.5°	1824.3
10°	1821.0
12.5°	1783.4
15°	1701.5
17.5°	1591.5
20°	1459.5
22.5°	1318.1
25°	1138.5
27.5°	910.6
30°	735.9
32.5°	567.2
35°	348.8
37.5°	149.2
40°	52.9
42.5°	48.8
45°	47.8
47.5°	46.2
50°	44.3
52.5°	42.2
55°	40.2
57.5°	38.0
60°	36.0
62.5°	33.6
65°	31.1
67.5°	28.5
70°	25.8
72.5°	22.7
75°	19.7
77.5°	16.3
80°	12.8
82.5°	9.1
85°	5.3
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)