

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: P761654

Luminaire Tested: LD6D15D010-EU6DR600215IC9030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761654
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-EU6DR600215IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1470.5 lumens
Efficiency: N/A
Efficacy: 93.1 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



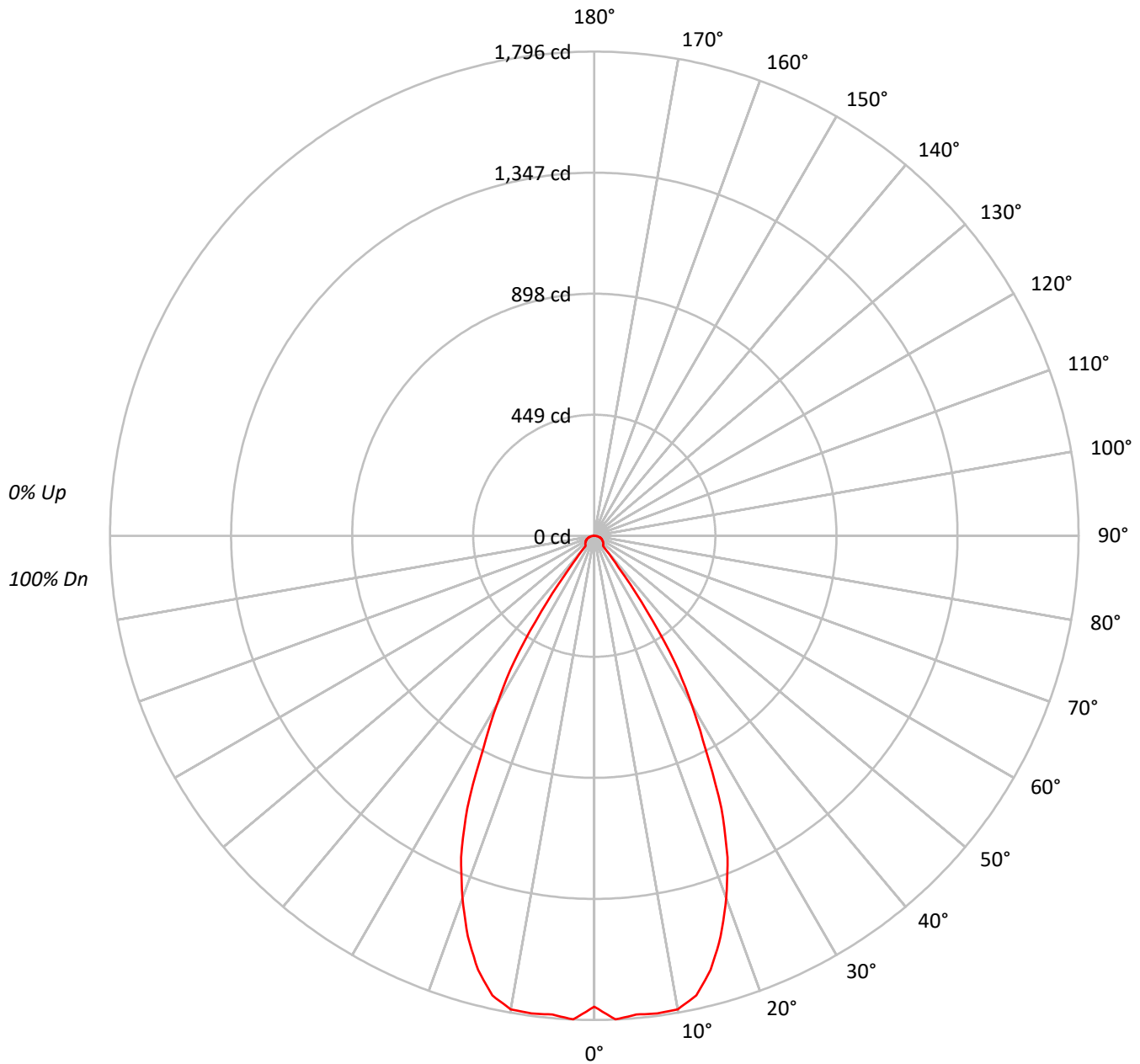
Downlight



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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°	190824
5°	195512
10°	197873
15°	188506
20°	166200
25°	134432
30°	90926
35°	45564
40°	7388
45°	7231
50°	7377
55°	7486
60°	7692
65°	7885
70°	8050
75°	8148
80°	7865
85°	6519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 8148 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	11.6
10°-20°	461.0	31.3
20°-30°	496.0	33.7
30°-40°	215.6	14.7
40°-50°	36.2	2.5
50°-60°	35.2	2.4
60°-70°	30.1	2.0
70°-80°	20.1	1.4
80°-90°	6.0	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°	1127.3	76.7
0°-40°	1342.9	91.3
0°-60°	1414.3	96.2
0°-90°	1470.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1470.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1746	
5°	1783	170
15°	1666	461
25°	1115	496
35°	342	216
45°	47	36
55°	39	35
65°	30	30
75°	19	20
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1746.5
2.5°	1795.6
5°	1782.6
7.5°	1786.7
10°	1783.5
12.5°	1746.7
15°	1666.5
17.5°	1558.7
20°	1429.4
22.5°	1291.0
25°	1115.1
27.5°	891.9
30°	720.7
32.5°	555.5
35°	341.6
37.5°	146.2
40°	51.8
42.5°	47.7
45°	46.8
47.5°	45.2
50°	43.4
52.5°	41.4
55°	39.3
57.5°	37.3
60°	35.2
62.5°	32.9
65°	30.5
67.5°	28.0
70°	25.2
72.5°	22.3
75°	19.3
77.5°	15.9
80°	12.5
82.5°	8.9
85°	5.2
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)