

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: P761775

Luminaire Tested: LD6D15D010-EU6DR700215IC9024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1229.9 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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



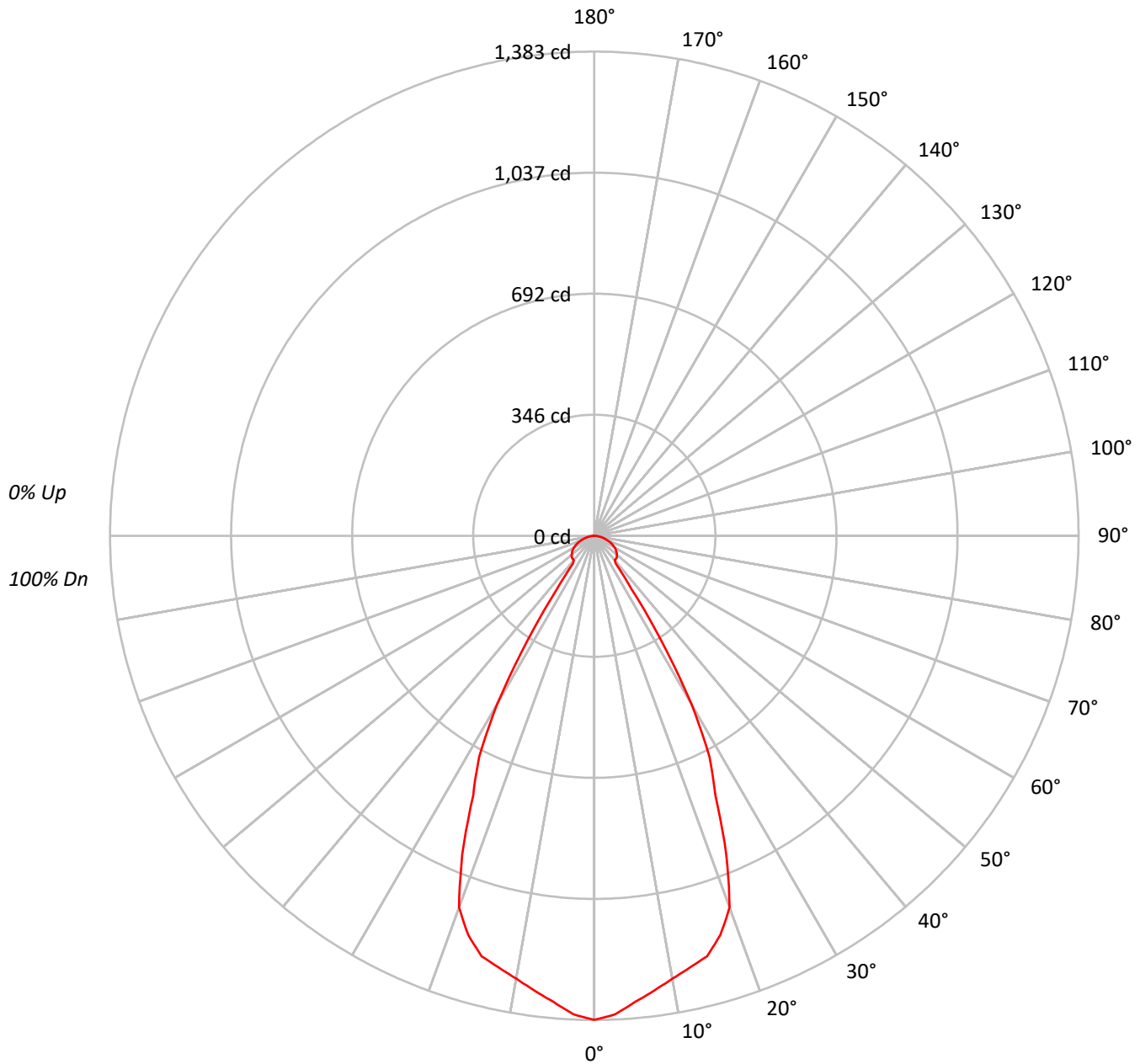
Downlight



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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	151086
5°	146596
10°	142499
15°	140636
20°	131330
25°	98651
30°	69743
35°	24702
40°	12994
45°	13845
50°	14329
55°	14592
60°	14685
65°	14374
70°	13577
75°	12580
80°	11200
85°	9026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 14685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	10.3
10°-20°	345.8	28.1
20°-30°	380.8	31.0
30°-40°	145.5	11.8
40°-50°	68.7	5.6
50°-60°	68.3	5.6
60°-70°	54.7	4.4
70°-80°	31.4	2.6
80°-90°	8.6	0.7
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°	852.7	69.3
0°-40°	998.2	81.2
0°-60°	1135.2	92.3
0°-90°	1229.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1383	
5°	1337	126
15°	1243	346
25°	818	381
35°	185	146
45°	90	69
55°	77	68
65°	56	55
75°	30	31
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1382.8
2.5°	1368.3
5°	1336.6
7.5°	1310.1
10°	1284.4
12.5°	1262.8
15°	1243.3
17.5°	1196.2
20°	1129.5
22.5°	985.4
25°	818.3
27.5°	712.4
30°	552.8
32.5°	357.1
35°	185.2
37.5°	100.0
40°	91.1
42.5°	90.4
45°	89.6
47.5°	87.5
50°	84.3
52.5°	80.6
55°	76.6
57.5°	72.2
60°	67.2
62.5°	61.5
65°	55.6
67.5°	49.0
70°	42.5
72.5°	35.9
75°	29.8
77.5°	23.4
80°	17.8
82.5°	12.5
85°	7.2
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)