

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: P761802

Luminaire Tested: LD6D15D010-EU6DR700215IC9030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761802
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-EU6DR700215IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1480.2 lumens
Efficiency: N/A
Efficacy: 93.7 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



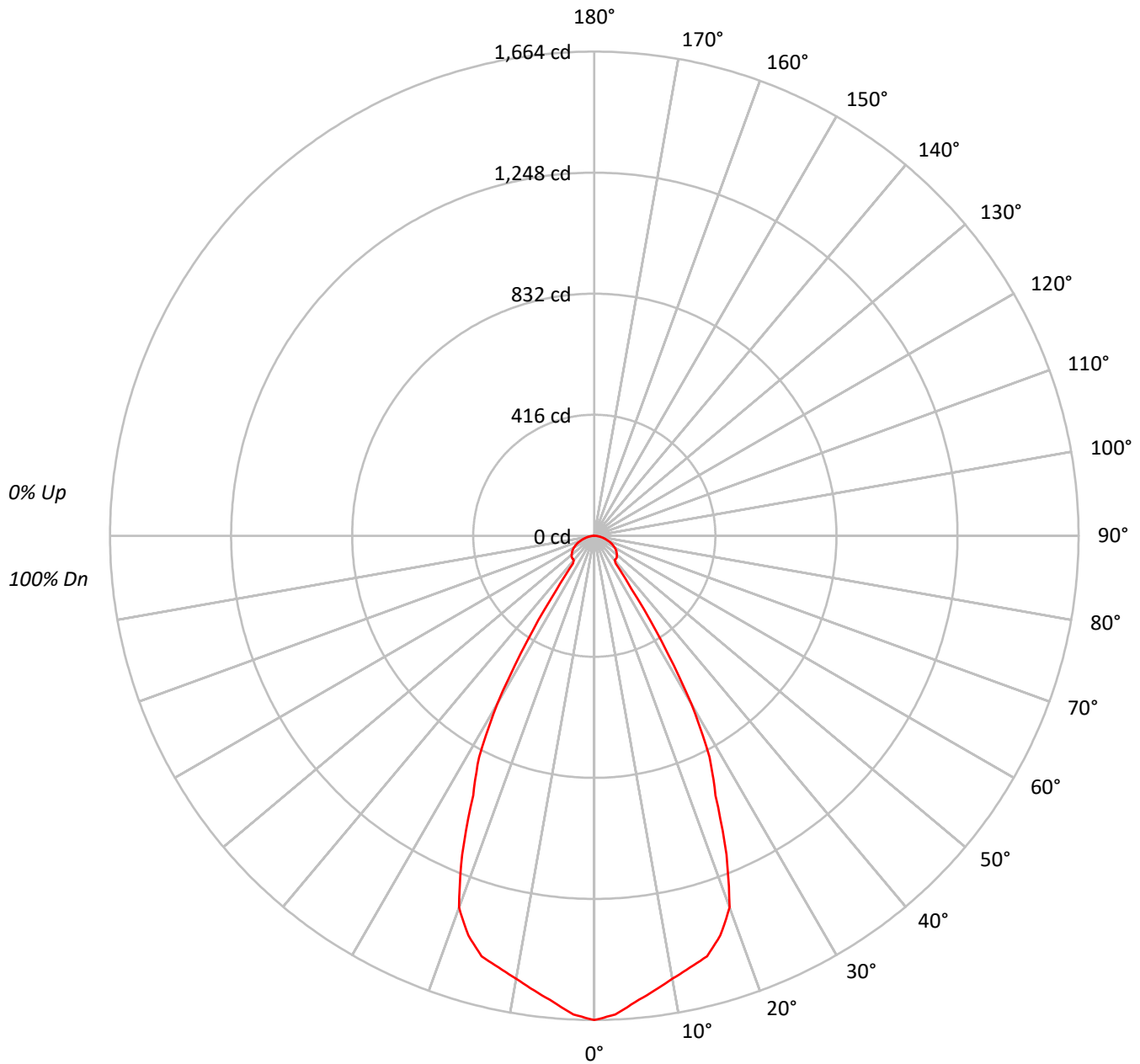
Downlight



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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				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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181832
5°	176428
10°	171512
15°	169254
20°	158050
25°	118736
30°	83937
35°	29731
40°	15632
45°	16657
50°	17253
55°	17563
60°	17678
65°	17296
70°	16324
75°	15113
80°	13402
85°	10907

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 17692 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	10.3
10°-20°	416.2	28.1
20°-30°	458.4	31.0
30°-40°	175.1	11.8
40°-50°	82.7	5.6
50°-60°	82.2	5.6
60°-70°	65.8	4.4
70°-80°	37.8	2.6
80°-90°	10.3	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°	1026.3	69.3
0°-40°	1201.4	81.2
0°-60°	1366.3	92.3
0°-90°	1480.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1664	
5°	1609	152
15°	1496	416
25°	985	458
35°	223	175
45°	108	83
55°	92	82
65°	67	66
75°	36	38
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1664.2
2.5°	1646.8
5°	1608.6
7.5°	1576.7
10°	1545.9
12.5°	1519.8
15°	1496.3
17.5°	1439.7
20°	1359.3
22.5°	1186.0
25°	984.9
27.5°	857.4
30°	665.3
32.5°	429.8
35°	222.9
37.5°	120.4
40°	109.6
42.5°	108.8
45°	107.8
47.5°	105.4
50°	101.5
52.5°	96.9
55°	92.2
57.5°	87.0
60°	80.9
62.5°	74.0
65°	66.9
67.5°	59.0
70°	51.1
72.5°	43.2
75°	35.8
77.5°	28.2
80°	21.3
82.5°	15.0
85°	8.7
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)