

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: P761642

Luminaire Tested: LD6D15D010-EU6DR600215IC9027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761642
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-EU6DR600215IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1228.3 lumens
Efficiency: N/A
Efficacy: 77.7 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



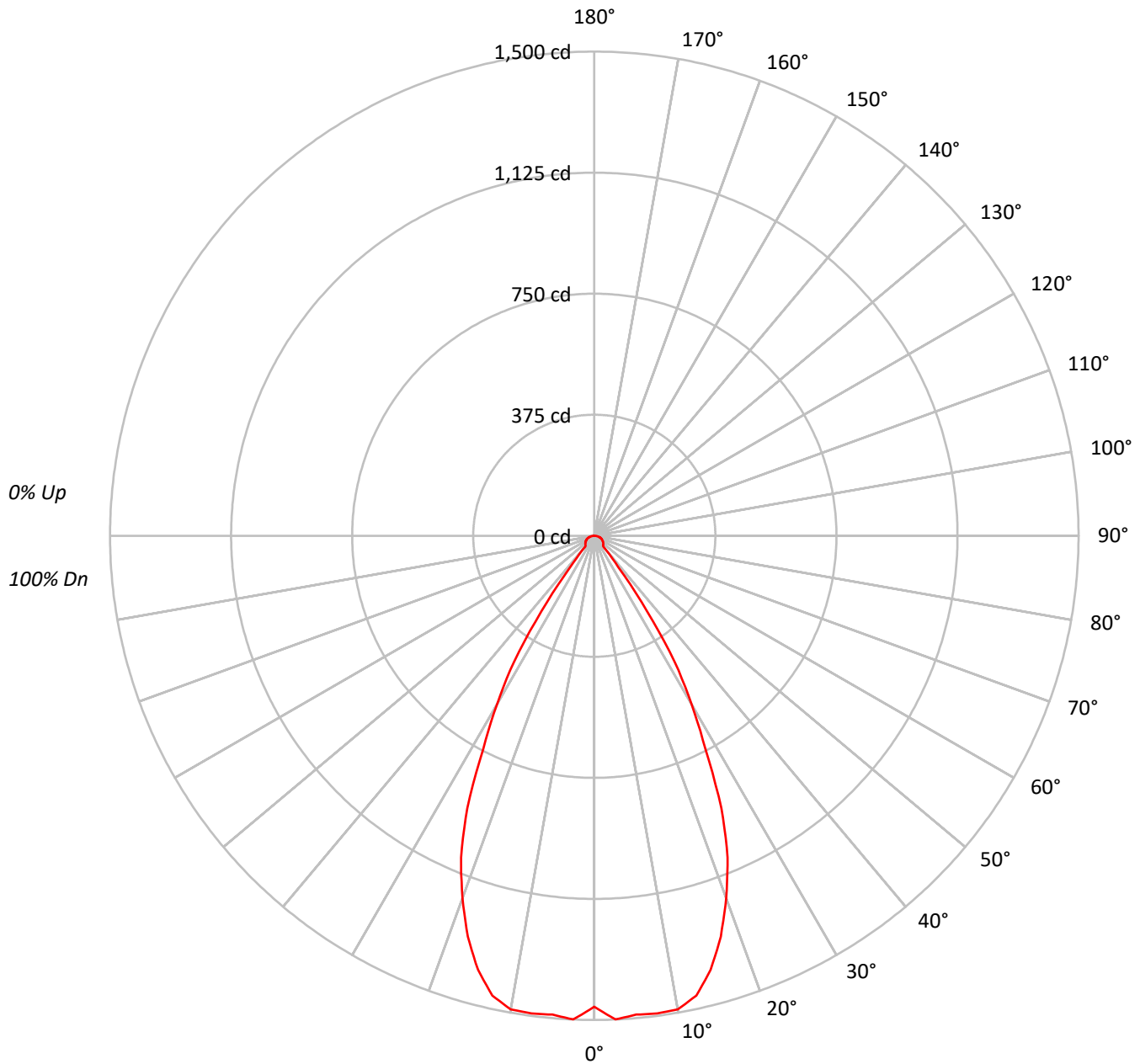
Downlight



TEST NUMBER: P761642

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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°	159390
5°	163311
10°	165288
15°	157456
20°	138830
25°	112286
30°	75950
35°	38054
40°	6176
45°	6042
50°	6170
55°	6248
60°	6425
65°	6567
70°	6741
75°	6839
80°	6544
85°	5516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 6839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	11.6
10°-20°	385.0	31.3
20°-30°	414.3	33.7
30°-40°	180.1	14.7
40°-50°	30.3	2.5
50°-60°	29.4	2.4
60°-70°	25.1	2.0
70°-80°	16.8	1.4
80°-90°	5.0	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°	941.6	76.7
0°-40°	1121.7	91.3
0°-60°	1181.3	96.2
0°-90°	1228.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1459	
5°	1489	142
15°	1392	385
25°	931	414
35°	285	180
45°	39	30
55°	33	29
65°	25	25
75°	16	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1458.8
2.5°	1499.8
5°	1489.0
7.5°	1492.4
10°	1489.8
12.5°	1459.0
15°	1392.0
17.5°	1302.0
20°	1194.0
22.5°	1078.4
25°	931.4
27.5°	745.0
30°	602.0
32.5°	464.0
35°	285.3
37.5°	122.1
40°	43.3
42.5°	39.9
45°	39.1
47.5°	37.8
50°	36.3
52.5°	34.5
55°	32.8
57.5°	31.1
60°	29.4
62.5°	27.5
65°	25.4
67.5°	23.4
70°	21.1
72.5°	18.6
75°	16.2
77.5°	13.3
80°	10.4
82.5°	7.4
85°	4.4
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)