

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: P761664

Luminaire Tested: LD6D15D010-EU6DR600215IC9035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761664
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-EU6DR600215IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1164.3 lumens
Efficiency: N/A
Efficacy: 73.7 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



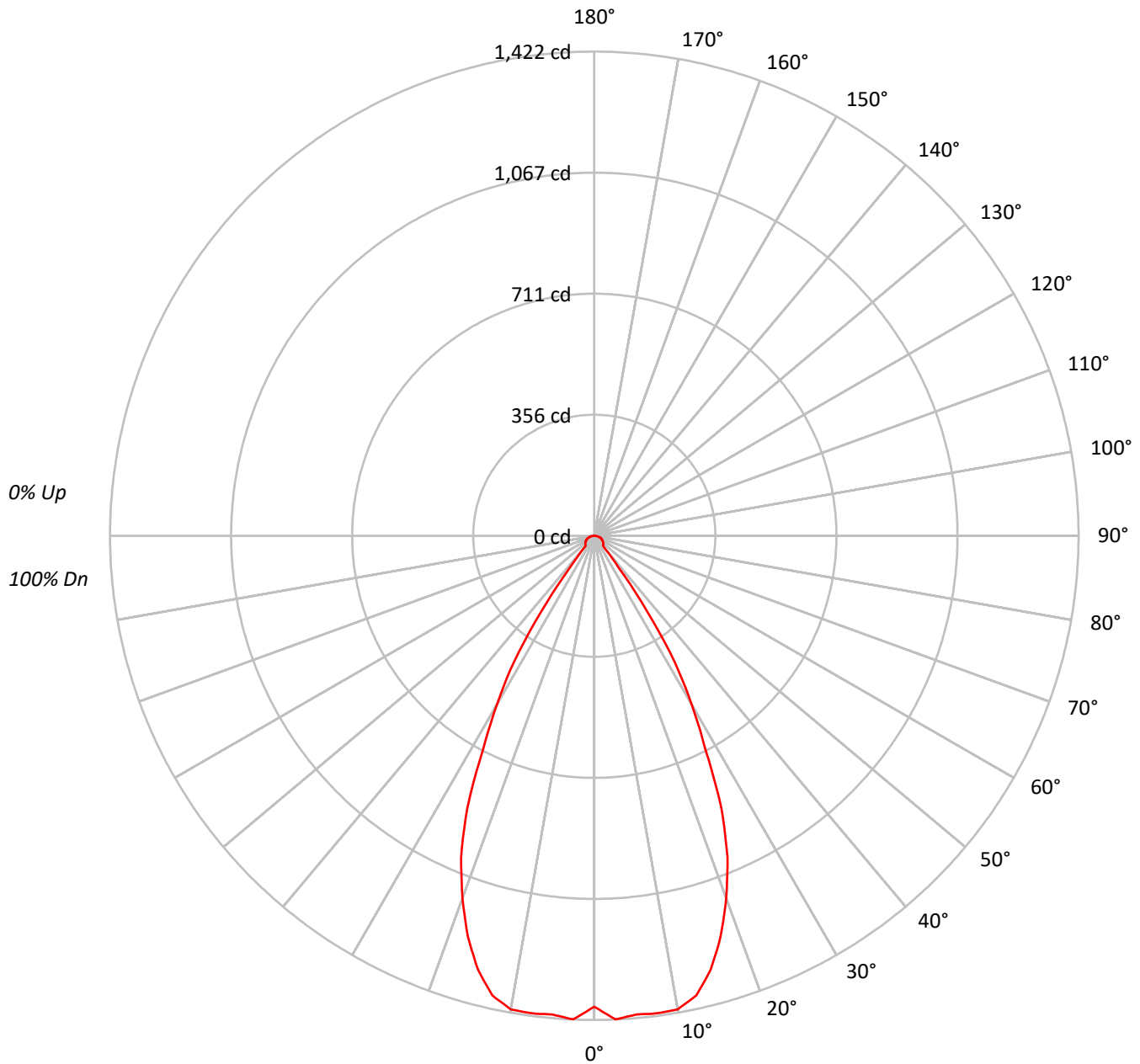
Downlight



TEST NUMBER: P761664

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9035-6LBDP1B

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°	151086
5°	154789
10°	156667
15°	149244
20°	131586
25°	106439
30°	71989
35°	36080
40°	5848
45°	5733
50°	5847
55°	5924
60°	6097
65°	6231
70°	6389
75°	6459
80°	6229
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 6459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	11.6
10°-20°	365.0	31.3
20°-30°	392.7	33.7
30°-40°	170.7	14.7
40°-50°	28.7	2.5
50°-60°	27.9	2.4
60°-70°	23.8	2.0
70°-80°	15.9	1.4
80°-90°	4.7	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°	892.5	76.7
0°-40°	1063.2	91.3
0°-60°	1119.7	96.2
0°-90°	1164.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1383	
5°	1411	135
15°	1319	365
25°	883	393
35°	270	171
45°	37	29
55°	31	28
65°	24	24
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1382.8
2.5°	1421.6
5°	1411.3
7.5°	1414.6
10°	1412.1
12.5°	1382.9
15°	1319.4
17.5°	1234.1
20°	1131.7
22.5°	1022.1
25°	882.9
27.5°	706.1
30°	570.6
32.5°	439.8
35°	270.5
37.5°	115.7
40°	41.0
42.5°	37.8
45°	37.1
47.5°	35.8
50°	34.4
52.5°	32.8
55°	31.1
57.5°	29.5
60°	27.9
62.5°	26.1
65°	24.1
67.5°	22.1
70°	20.0
72.5°	17.6
75°	15.3
77.5°	12.6
80°	9.9
82.5°	7.0
85°	4.1
87.5°	1.4
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)