

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: P761713

Luminaire Tested: LD6D15D010-EU6DR650215IC9027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR650215IC9027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 882.8 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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



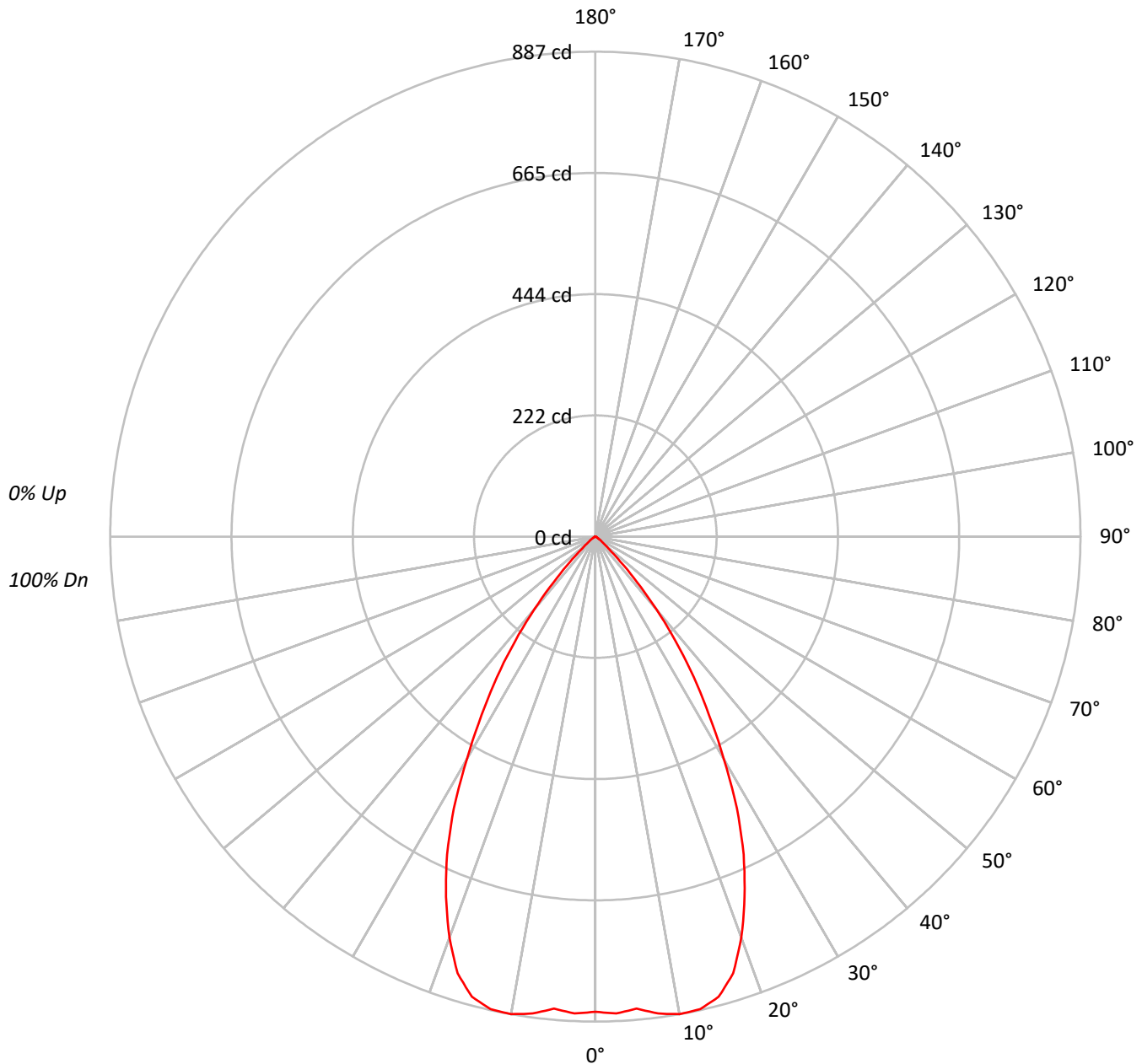
Downlight



TEST NUMBER: P761713

CATALOG NUMBER: LD6D15D010-EU6DR650215IC9027-6LBDP1B

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94969
5°	95047
10°	98398
15°	98557
20°	90739
25°	77313
30°	59183
35°	41815
40°	24675
45°	10028
50°	3638
55°	2019
60°	1158
65°	646
70°	671
75°	549
80°	566
85°	376

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	9.5
10°-20°	241.4	27.3
20°-30°	289.7	32.8
30°-40°	194.7	22.0
40°-50°	58.3	6.6
50°-60°	10.3	1.2
60°-70°	2.9	0.3
70°-80°	1.5	0.2
80°-90°	0.4	0.0
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°	614.8	69.6
0°-40°	809.4	91.7
0°-60°	878.0	99.5
0°-90°	882.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	882.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	869	
5°	867	84
15°	871	241
25°	641	290
35°	314	195
45°	65	58
55°	11	10
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	869.2
2.5°	872.9
5°	866.6
7.5°	879.7
10°	886.9
12.5°	885.2
15°	871.3
17.5°	837.4
20°	780.4
22.5°	713.2
25°	641.3
27.5°	560.2
30°	469.1
32.5°	386.6
35°	313.5
37.5°	241.2
40°	173.0
42.5°	113.0
45°	64.9
47.5°	34.3
50°	21.4
52.5°	14.8
55°	10.6
57.5°	7.7
60°	5.3
62.5°	3.4
65°	2.5
67.5°	2.2
70°	2.1
72.5°	1.6
75°	1.3
77.5°	1.1
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.2
90°	0.0



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— 0°-180°







(END OF REPORT)