

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: P761748

Luminaire Tested: LD6D15D010-EU6DR650215IC9040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761748
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-EU6DR650215IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 989.0 lumens
Efficiency: N/A
Efficacy: 62.6 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



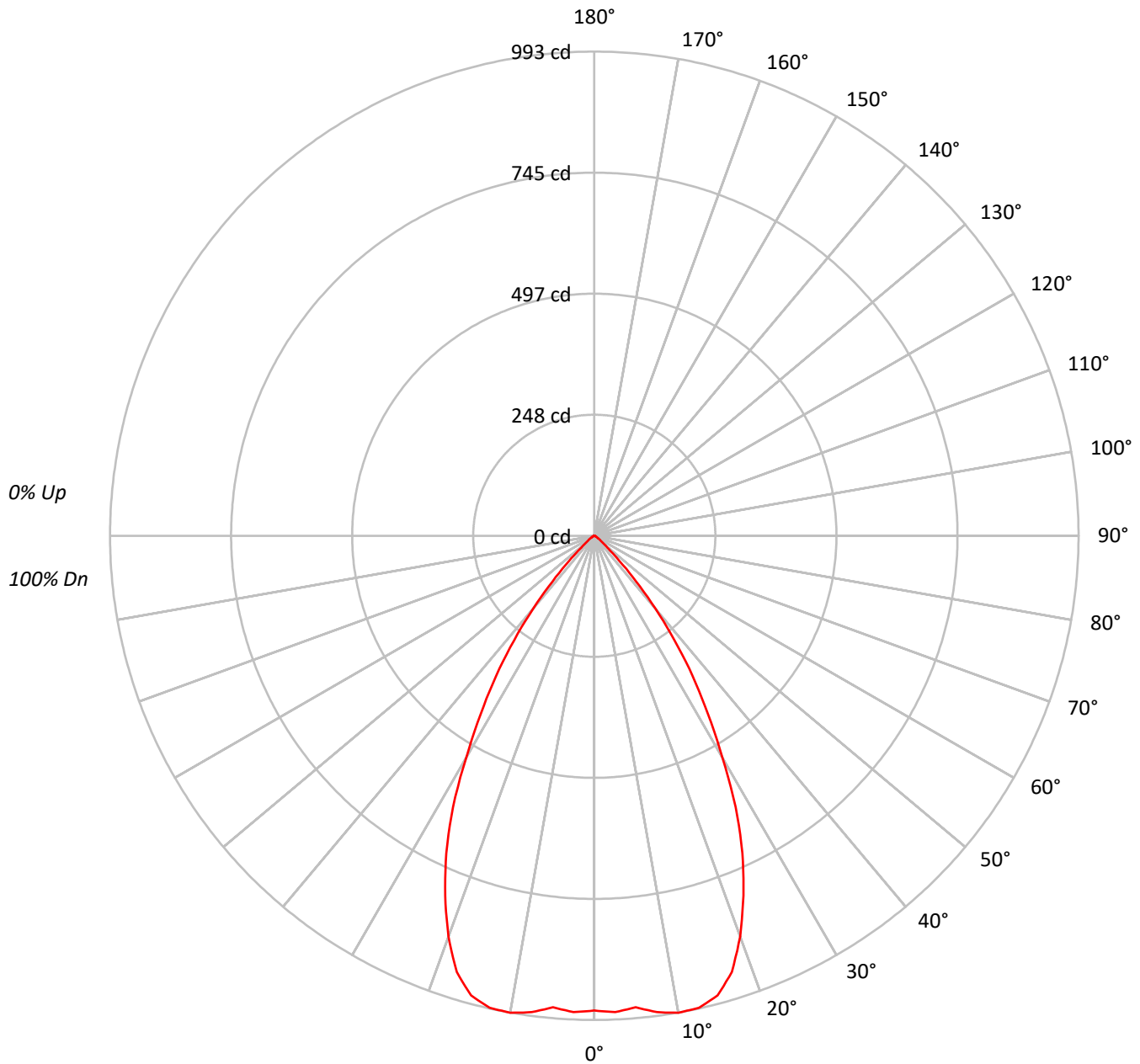
Downlight



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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	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°	106387
5°	106476
10°	110214
15°	110400
20°	101646
25°	86607
30°	66299
35°	46844
40°	27642
45°	11233
50°	4063
55°	2267
60°	1311
65°	724
70°	735
75°	591
80°	629
85°	501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	9.5
10°-20°	270.4	27.3
20°-30°	324.5	32.8
30°-40°	218.1	22.0
40°-50°	65.3	6.6
50°-60°	11.5	1.2
60°-70°	3.3	0.3
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	688.7	69.6
0°-40°	906.7	91.7
0°-60°	983.5	99.5
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	974	
5°	971	94
15°	976	270
25°	718	324
35°	351	218
45°	73	65
55°	12	12
65°	3	3
75°	1	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	973.7
2.5°	977.8
5°	970.8
7.5°	985.4
10°	993.4
12.5°	991.5
15°	976.0
17.5°	938.1
20°	874.2
22.5°	798.9
25°	718.4
27.5°	627.5
30°	525.5
32.5°	433.1
35°	351.2
37.5°	270.2
40°	193.8
42.5°	126.6
45°	72.7
47.5°	38.4
50°	23.9
52.5°	16.6
55°	11.9
57.5°	8.6
60°	6.0
62.5°	3.9
65°	2.8
67.5°	2.5
70°	2.3
72.5°	1.8
75°	1.4
77.5°	1.3
80°	1.0
82.5°	0.7
85°	0.4
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)