

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: P761739

Luminaire Tested: LD6D15D010-EU6DR650215IC9035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761739
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-EU6DR650215IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1291.8 lumens
Efficiency: N/A
Efficacy: 81.8 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



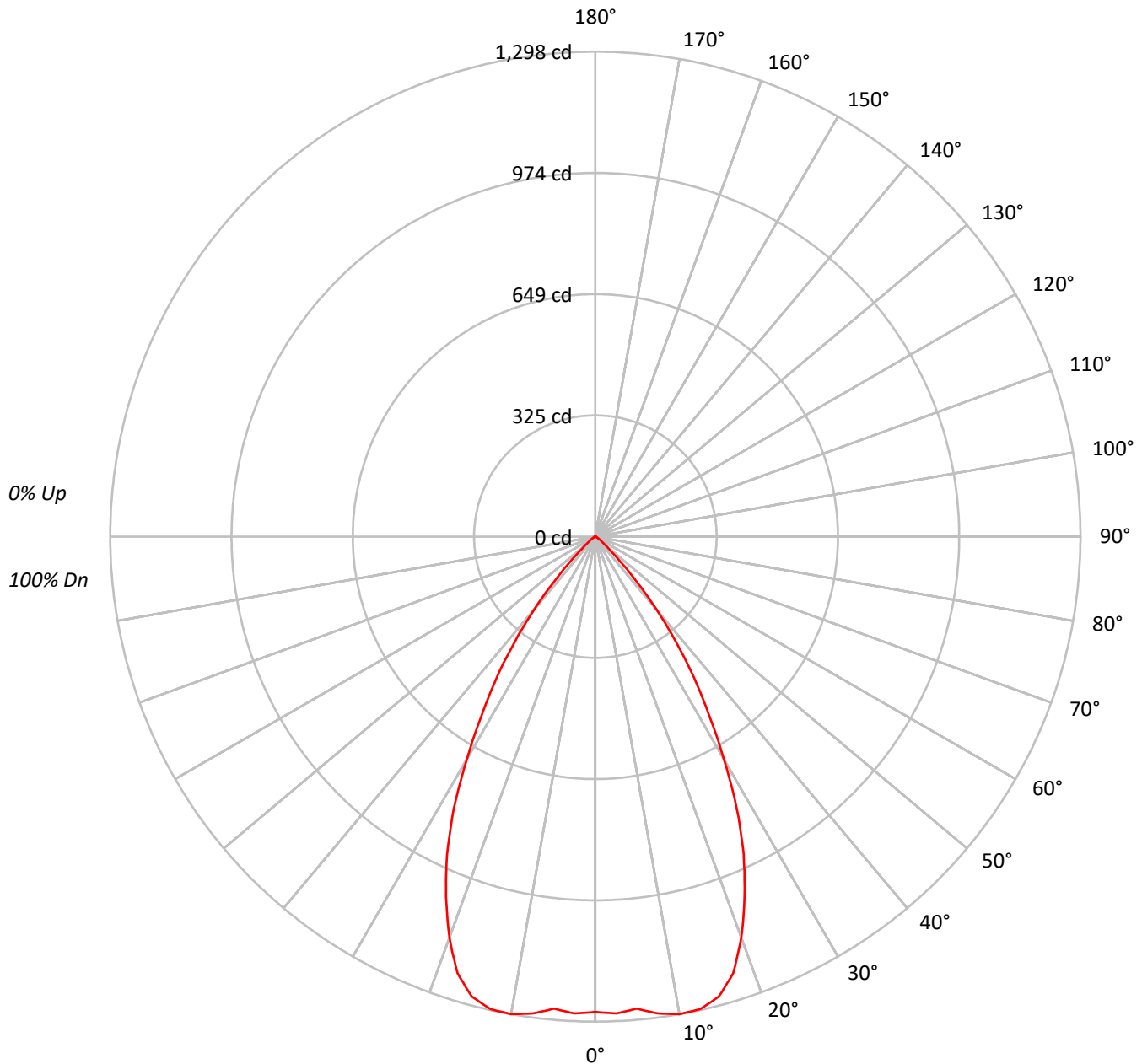
Downlight



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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°	138980
5°	139094
10°	143986
15°	144222
20°	132784
25°	113130
30°	86611
35°	61196
40°	36114
45°	14664
50°	5320
55°	2953
60°	1704
65°	931
70°	990
75°	760
80°	818
85°	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14664 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	9.5
10°-20°	353.3	27.3
20°-30°	423.9	32.8
30°-40°	284.9	22.1
40°-50°	85.3	6.6
50°-60°	15.0	1.2
60°-70°	4.3	0.3
70°-80°	2.1	0.2
80°-90°	0.6	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°	899.6	69.6
0°-40°	1184.5	91.7
0°-60°	1284.8	99.5
0°-90°	1291.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1272	
5°	1268	122
15°	1275	353
25°	938	424
35°	459	285
45°	95	85
55°	16	15
65°	4	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1272.0
2.5°	1277.4
5°	1268.2
7.5°	1287.3
10°	1297.8
12.5°	1295.3
15°	1275.0
17.5°	1225.5
20°	1142.0
22.5°	1043.6
25°	938.4
27.5°	819.7
30°	686.5
32.5°	565.7
35°	458.8
37.5°	353.0
40°	253.2
42.5°	165.4
45°	94.9
47.5°	50.2
50°	31.3
52.5°	21.7
55°	15.5
57.5°	11.2
60°	7.8
62.5°	5.0
65°	3.6
67.5°	3.3
70°	3.1
72.5°	2.3
75°	1.8
77.5°	1.6
80°	1.3
82.5°	0.9
85°	0.5
87.5°	0.3
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)