

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: P761510

Luminaire Tested: LD6D15D010-EU6DR500215IC9035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR500215IC9035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1476.7 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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



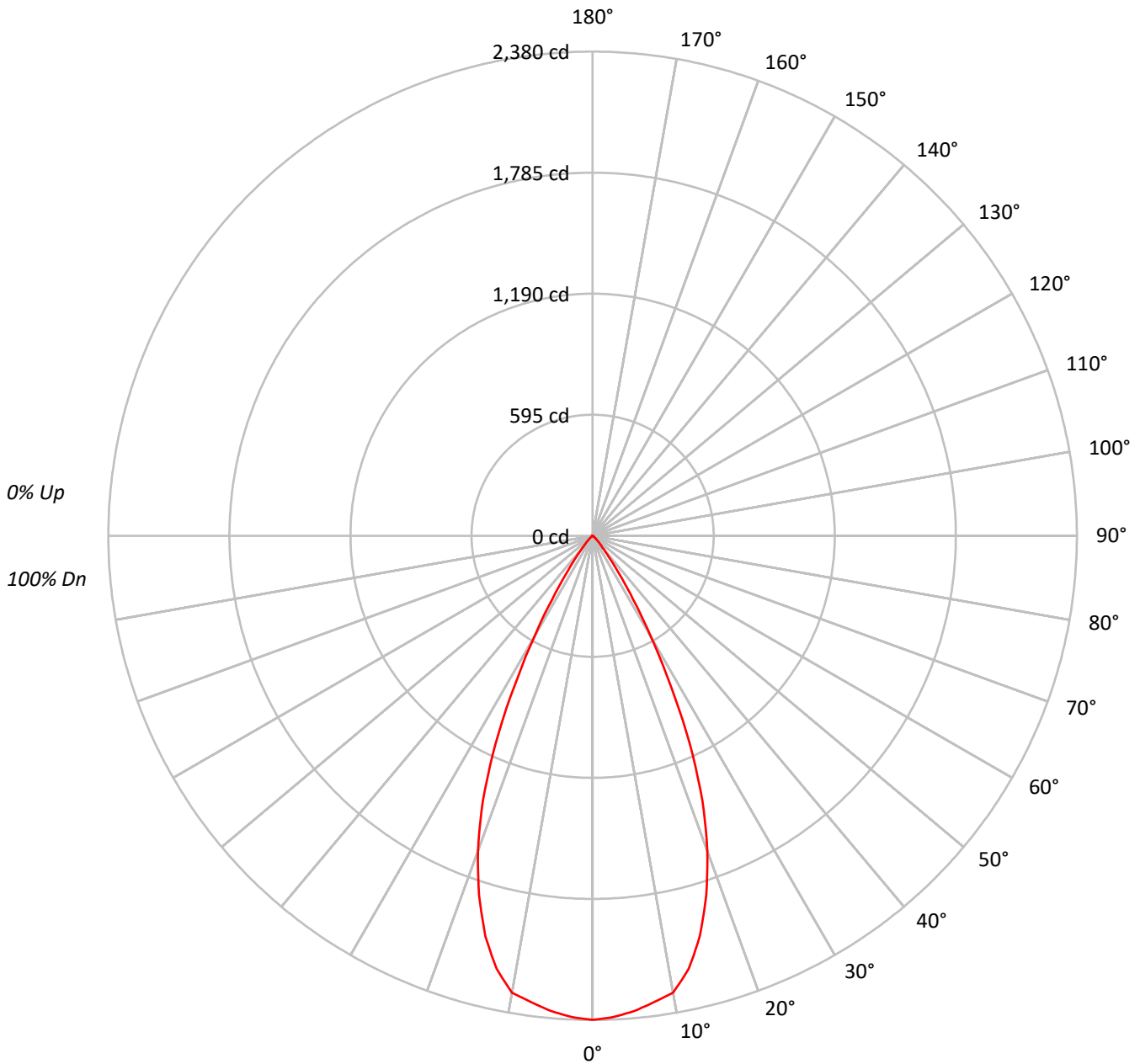
Downlight



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	95	95	95	95		
	2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90	90	90		
	3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85	85	85		
	4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	80	80	80	80		
	5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	76	76	76	76		
	6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	72	72	72	72		
	7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69	69	69		
	8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65	65	65		
	9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	62	62	62	62		
	10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	59	59	59	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	259986
5°	257250
10°	253024
15°	230393
20°	191711
25°	136084
30°	72027
35°	29358
40°	10897
45°	4991
50°	2040
55°	1067
60°	524
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4991 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	15.0
10°-20°	560.3	37.9
20°-30°	503.3	34.1
30°-40°	157.6	10.7
40°-50°	27.6	1.9
50°-60°	5.5	0.4
60°-70°	0.8	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1285.3	87.0
0°-40°	1442.8	97.7
0°-60°	1475.9	99.9
0°-90°	1476.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2380	
5°	2346	222
15°	2037	560
25°	1129	503
35°	220	158
45°	32	28
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2379.5
2.5°	2367.7
5°	2345.5
7.5°	2311.9
10°	2280.6
12.5°	2180.2
15°	2036.8
17.5°	1854.6
20°	1648.8
22.5°	1410.7
25°	1128.8
27.5°	829.9
30°	570.9
32.5°	371.7
35°	220.1
37.5°	126.4
40°	76.4
42.5°	49.7
45°	32.3
47.5°	19.7
50°	12.0
52.5°	8.3
55°	5.6
57.5°	3.8
60°	2.4
62.5°	1.4
65°	0.6
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)