

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: P763912

Luminaire Tested: LD6D30D010-EU6DR2015309035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR2015309035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3332.1 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): 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

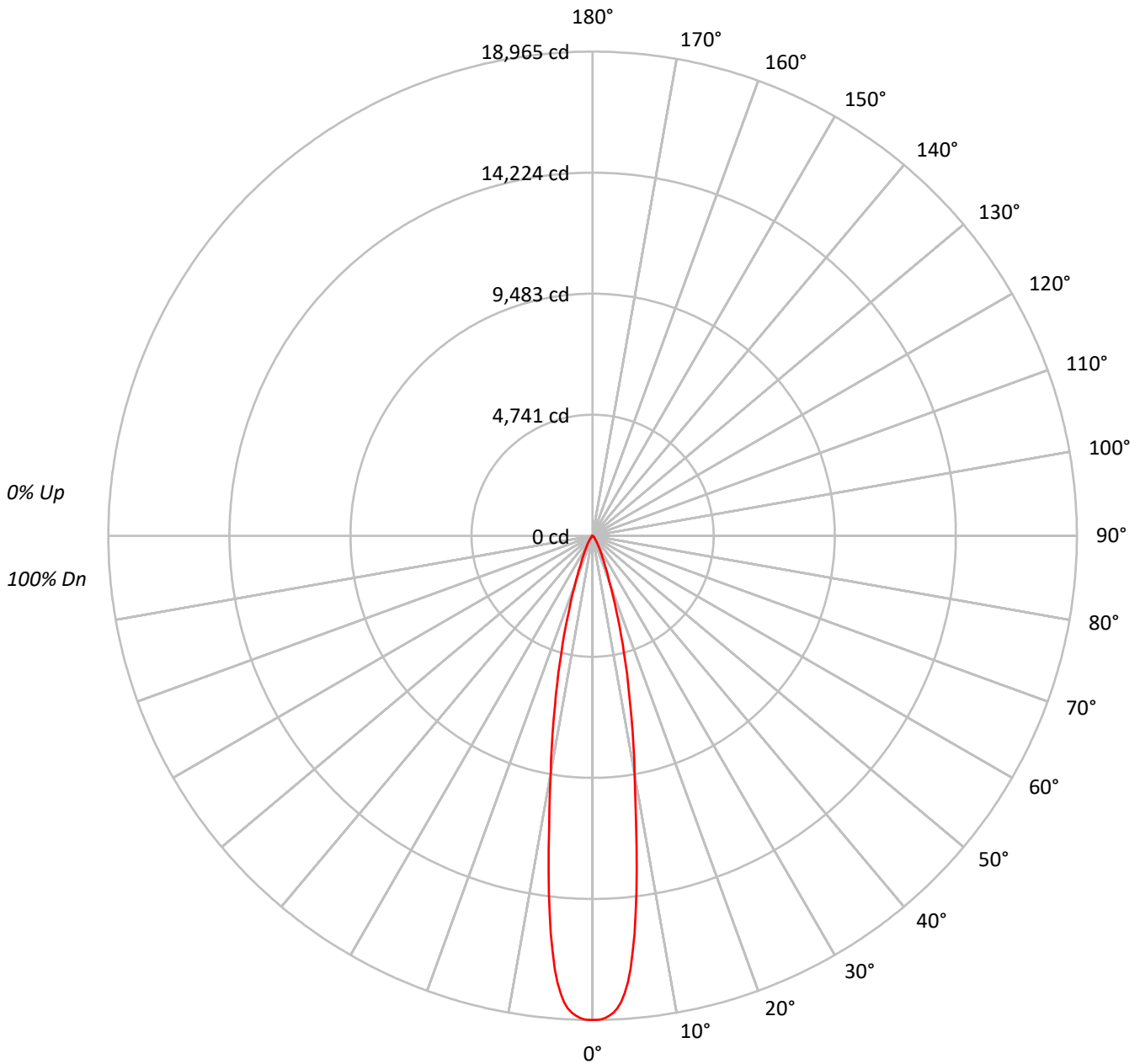


Downlight



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2072163
5°	1869485
10°	1049252
15°	533360
20°	225814
25°	104245
30°	55184
35°	29731
40°	15903
45°	9395
50°	5456
55°	2895
60°	1836
65°	1319
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9395 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1350.3	40.5
10°-20°	1329.6	39.9
20°-30°	434.4	13.0
30°-40°	147.9	4.4
40°-50°	49.7	1.5
50°-60°	15.0	0.4
60°-70°	5.0	0.2
70°-80°	0.2	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°	3114.3	93.5
0°-40°	3262.2	97.9
0°-60°	3326.9	99.8
0°-90°	3332.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3332.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18965	
5°	17045	###
15°	4715	1330
25°	865	434
35°	223	148
45°	61	50
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18965.3
0.5°	18965.3
1°	18941.7
1.5°	18894.4
2°	18808.3
2.5°	18693.4
3°	18531.3
3.5°	18305.0
4°	17968.9
4.5°	17560.3
5°	17045.2
5.5°	16368.0
6°	15673.9
6.5°	14878.4
7°	14099.9
7.5°	13187.9
8°	12373.9
8.5°	11554.8
9°	10798.3
9.5°	10104.2
10°	9457.3
12.5°	6790.7
15°	4715.2
17.5°	3080.4
20°	1942.1
22.5°	1258.2
25°	864.7
27.5°	608.0
30°	437.4
32.5°	314.1
35°	222.9
37.5°	155.4
40°	111.5
42.5°	81.1
45°	60.8
47.5°	47.3
50°	32.1
52.5°	20.3
55°	15.2
57.5°	11.8
60°	8.4
62.5°	6.8
65°	5.1



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CANDELA DISTRIBUTION (continued):

	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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Scaled Data Report





— 0°-180°

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67.5°	3.4
70°	1.7

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(END OF REPORT)