

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: P763885

Luminaire Tested: LD6D30D010-EU6DR2015309024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763885
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-EU6DR2015309024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2546.3 lumens
Efficiency: N/A
Efficacy: 87.8 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 (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



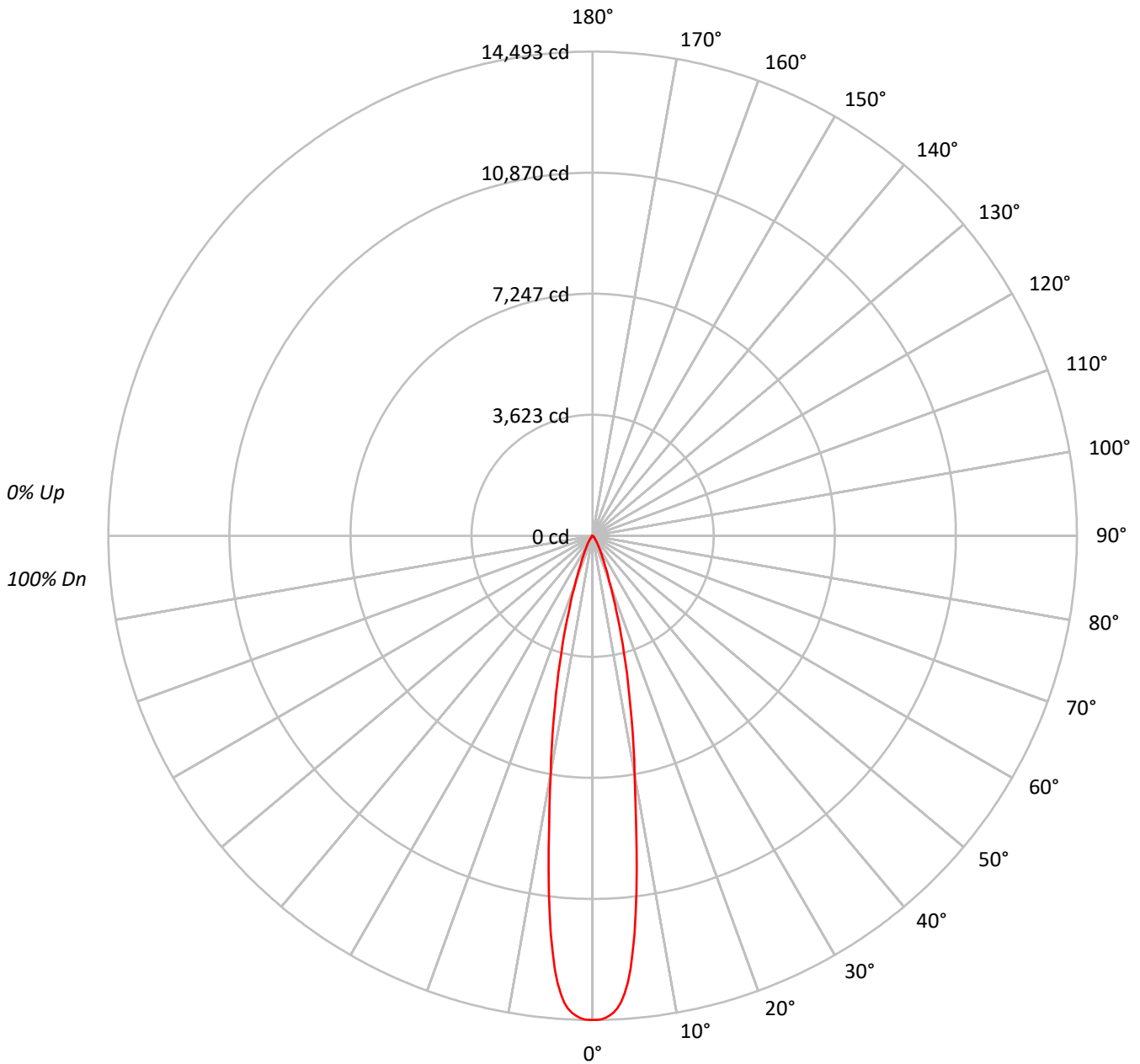
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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														
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	100	99	98	97	98	96	95	94												
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94	93	92	91	94												
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	98	96	95	94	93	92	91	94												
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88	87	86	85	88												
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85	84	83	82	85												
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	88	86	84	83	82	81	80	83												
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	81	80	79	78	81												
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	79	78	77	76	79												
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77	76	75	74	77												
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	81	78	76	75	74	73	72	75												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1583494
5°	1428612
10°	801820
15°	407576
20°	172561
25°	79663
30°	42176
35°	22728
40°	12152
45°	7185
50°	4164
55°	2210
60°	1420
65°	1008
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1031.9	40.5
10°-20°	1016.1	39.9
20°-30°	331.9	13.0
30°-40°	113.0	4.4
40°-50°	38.0	1.5
50°-60°	11.4	0.4
60°-70°	3.8	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°	2379.9	93.5
0°-40°	2492.9	97.9
0°-60°	2542.3	99.8
0°-90°	2546.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14493	
5°	13026	###
15°	3603	1016
25°	661	332
35°	170	113
45°	46	38
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14492.8
0.5°	14492.8
1°	14474.8
1.5°	14438.6
2°	14372.8
2.5°	14285.1
3°	14161.2
3.5°	13988.2
4°	13731.4
4.5°	13419.1
5°	13025.5
5.5°	12508.0
6°	11977.6
6.5°	11369.7
7°	10774.8
7.5°	10077.9
8°	9455.8
8.5°	8829.9
9°	8251.8
9.5°	7721.3
10°	7227.1
12.5°	5189.3
15°	3603.2
17.5°	2354.0
20°	1484.1
22.5°	961.5
25°	660.8
27.5°	464.6
30°	334.3
32.5°	240.0
35°	170.4
37.5°	118.7
40°	85.2
42.5°	61.9
45°	46.5
47.5°	36.1
50°	24.5
52.5°	15.5
55°	11.6
57.5°	9.0
60°	6.5
62.5°	5.2
65°	3.9



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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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— 0°-180°

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67.5°		2.6
70°		1.3

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(END OF REPORT)