

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: P760037

Luminaire Tested: LD6D10D010-EU6DR200210IC9030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760037
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: LD6D10D010-EU6DR200210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.0 lumens
Efficiency: N/A
Efficacy: 86.8 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): 11.7
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

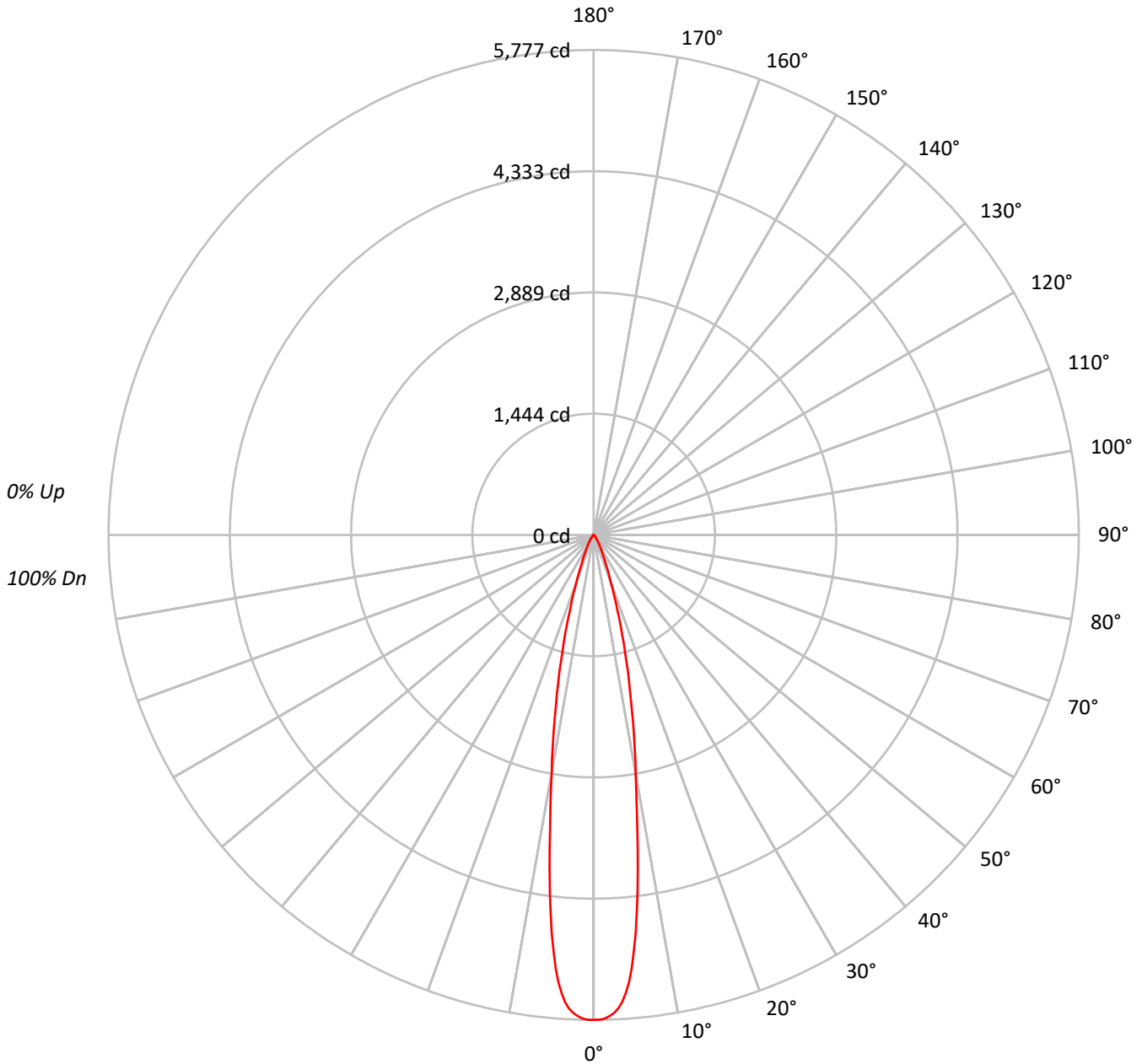


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
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	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	98	96	95	94	94	92	91	91	89	88	86	85															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	89	88	86	85	85	83	82	81															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	86	85	85	83	82	81	81	79	77															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	85	83	82	81	81	79	77	77	75																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	83	82	81	81	79	77	77	75	75	73	71															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	81	80	80	79	77	77	75	75	73	71	70															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	79	77	77	75	75	73	71	70	70	68	66															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	77	77	75	75	73	71	70	70	68	66	65															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	75	75	73	71	70	70	68	66	65	65	63															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	73	71	70	70	68	66	65	65	63	63	61															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	631232
5°	569493
10°	319625
15°	162478
20°	68787
25°	31754
30°	16805
35°	9057
40°	4849
45°	2859
50°	1666
55°	876
60°	568
65°	388
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.3	40.5
10°-20°	405.0	39.9
20°-30°	132.3	13.0
30°-40°	45.0	4.4
40°-50°	15.2	1.5
50°-60°	4.6	0.4
60°-70°	1.5	0.1
70°-80°	0.1	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°	948.7	93.5
0°-40°	993.7	97.9
0°-60°	1013.5	99.8
0°-90°	1015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5777	
5°	5192	411
15°	1436	405
25°	263	132
35°	68	45
45°	18	15
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5777.3
0.5°	5777.3
1°	5770.1
1.5°	5755.7
2°	5729.5
2.5°	5694.5
3°	5645.1
3.5°	5576.2
4°	5473.8
4.5°	5349.3
5°	5192.4
5.5°	4986.1
6°	4774.6
6.5°	4532.3
7°	4295.2
7.5°	4017.4
8°	3769.4
8.5°	3519.9
9°	3289.4
9.5°	3078.0
10°	2880.9
12.5°	2068.6
15°	1436.4
17.5°	938.4
20°	591.6
22.5°	383.3
25°	263.4
27.5°	185.2
30°	133.2
32.5°	95.7
35°	67.9
37.5°	47.3
40°	34.0
42.5°	24.7
45°	18.5
47.5°	14.4
50°	9.8
52.5°	6.2
55°	4.6
57.5°	3.6
60°	2.6
62.5°	2.1
65°	1.5



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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°		1.0
70°		0.5

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(END OF REPORT)