

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: P787634

Luminaire Tested: LER6D05D010-EC6DR200210IC9040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787634
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: LER6D05D010-EC6DR200210IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 700.1 lumens
Efficiency: N/A
Efficacy: 93.4 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): 7.5
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

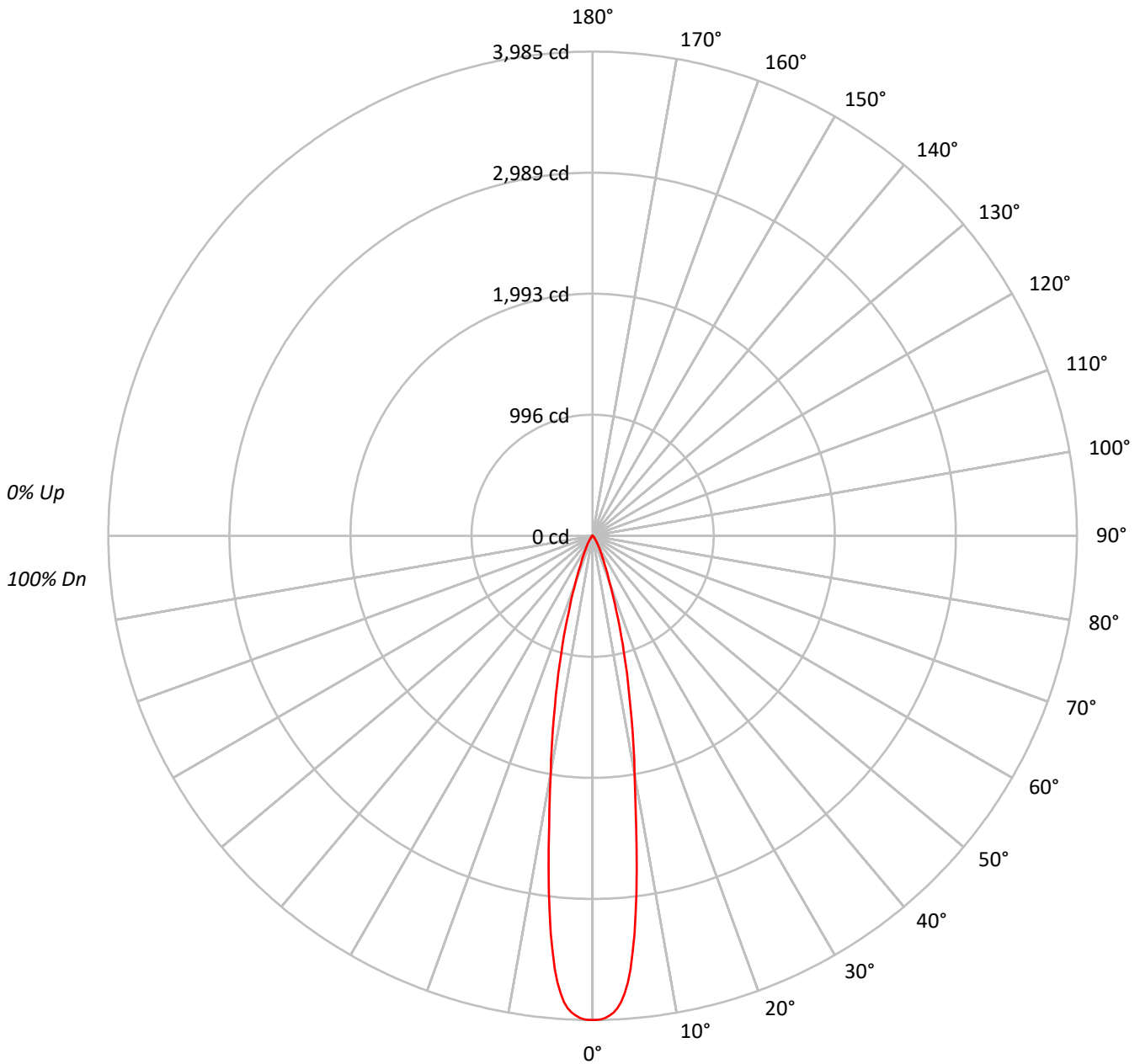


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	435404
5°	392812
10°	220472
15°	112063
20°	47451
25°	21905
30°	11594
35°	6242
40°	3338
45°	1978
50°	1139
55°	610
60°	393
65°	284
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.7	40.5
10°-20°	279.4	39.9
20°-30°	91.3	13.0
30°-40°	31.1	4.4
40°-50°	10.4	1.5
50°-60°	3.2	0.5
60°-70°	1.1	0.2
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°	654.4	93.5
0°-40°	685.4	97.9
0°-60°	699.0	99.8
0°-90°	700.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3985	
5°	3582	284
15°	991	279
25°	182	91
35°	47	31
45°	13	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3985.0
0.5°	3985.0
1°	3980.0
1.5°	3970.1
2°	3952.0
2.5°	3927.9
3°	3893.8
3.5°	3846.3
4°	3775.6
4.5°	3689.8
5°	3581.5
5.5°	3439.2
6°	3293.4
6.5°	3126.3
7°	2962.7
7.5°	2771.0
8°	2600.0
8.5°	2427.9
9°	2268.9
9.5°	2123.1
10°	1987.2
12.5°	1426.9
15°	990.7
17.5°	647.3
20°	408.1
22.5°	264.4
25°	181.7
27.5°	127.7
30°	91.9
32.5°	66.0
35°	46.8
37.5°	32.6
40°	23.4
42.5°	17.0
45°	12.8
47.5°	9.9
50°	6.7
52.5°	4.3
55°	3.2
57.5°	2.5
60°	1.8
62.5°	1.4
65°	1.1



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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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— 0°-180°

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67.5°		0.7
70°		0.4

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(END OF REPORT)