

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: P787610

Luminaire Tested: LER6D05D010-EC6DR200210IC9027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787610
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-EC6DR200210IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 83.3 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



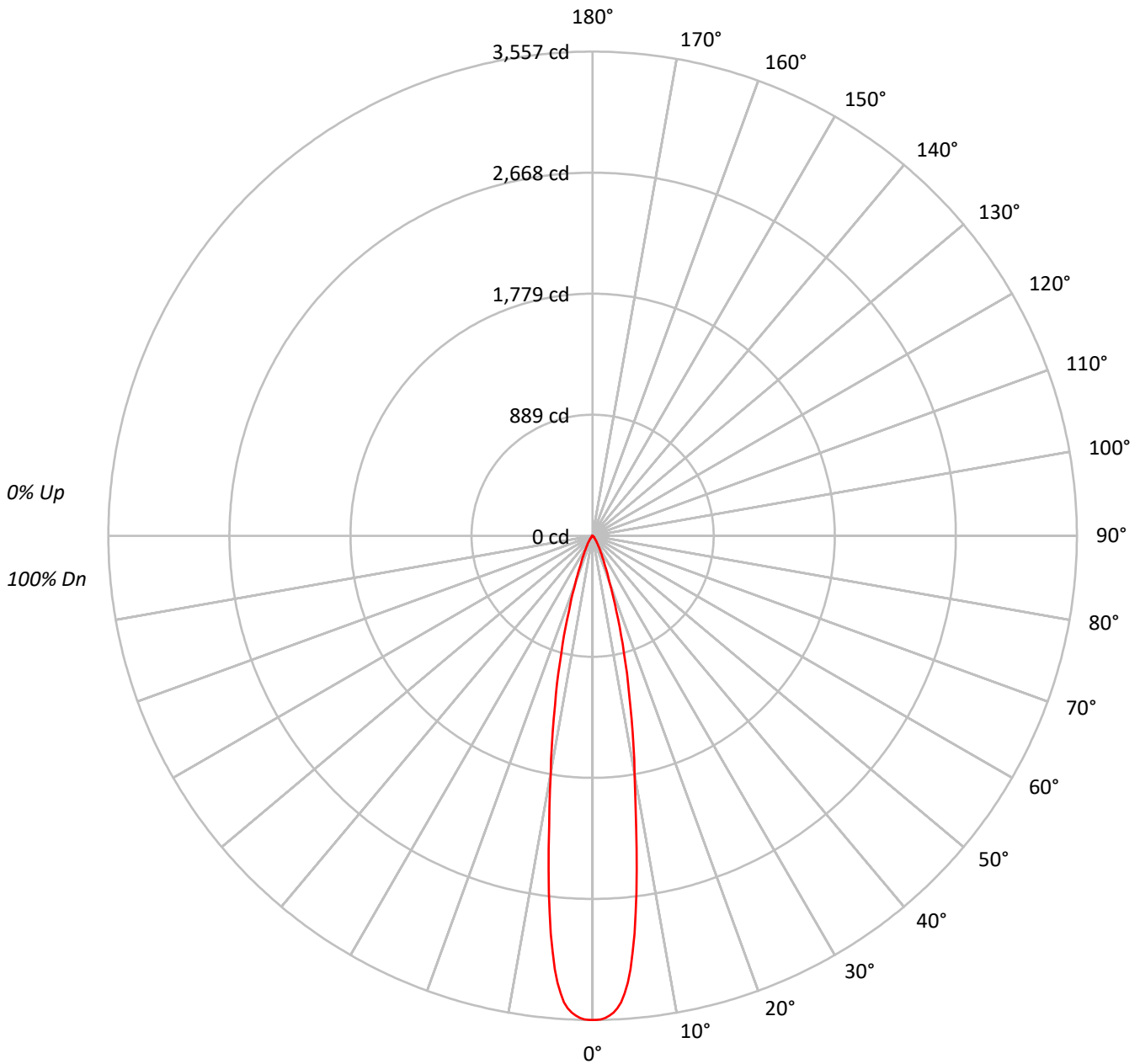
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	388684
5°	350674
10°	196819
15°	100050
20°	42358
25°	19554
30°	10345
35°	5575
40°	2981
45°	1762
50°	1020
55°	552
60°	350
65°	259
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1762 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	40.5
10°-20°	249.4	39.9
20°-30°	81.5	13.0
30°-40°	27.7	4.4
40°-50°	9.3	1.5
50°-60°	2.8	0.5
60°-70°	0.9	0.2
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°	584.2	93.5
0°-40°	611.9	97.9
0°-60°	624.0	99.8
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3557	
5°	3197	253
15°	884	249
25°	162	81
35°	42	28
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3557.4
0.5°	3557.4
1°	3553.0
1.5°	3544.1
2°	3528.0
2.5°	3506.4
3°	3476.0
3.5°	3433.6
4°	3370.5
4.5°	3293.9
5°	3197.3
5.5°	3070.2
6°	2940.0
6.5°	2790.8
7°	2644.8
7.5°	2473.7
8°	2321.0
8.5°	2167.4
9°	2025.5
9.5°	1895.3
10°	1774.0
12.5°	1273.8
15°	884.5
17.5°	577.8
20°	364.3
22.5°	236.0
25°	162.2
27.5°	114.0
30°	82.0
32.5°	58.9
35°	41.8
37.5°	29.1
40°	20.9
42.5°	15.2
45°	11.4
47.5°	8.9
50°	6.0
52.5°	3.8
55°	2.9
57.5°	2.2
60°	1.6
62.5°	1.3
65°	1.0



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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°		0.6
70°		0.3

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(END OF REPORT)