

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P794034

Luminaire Tested: LER6D55D010-EC6DR6055659030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR6055659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5913.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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

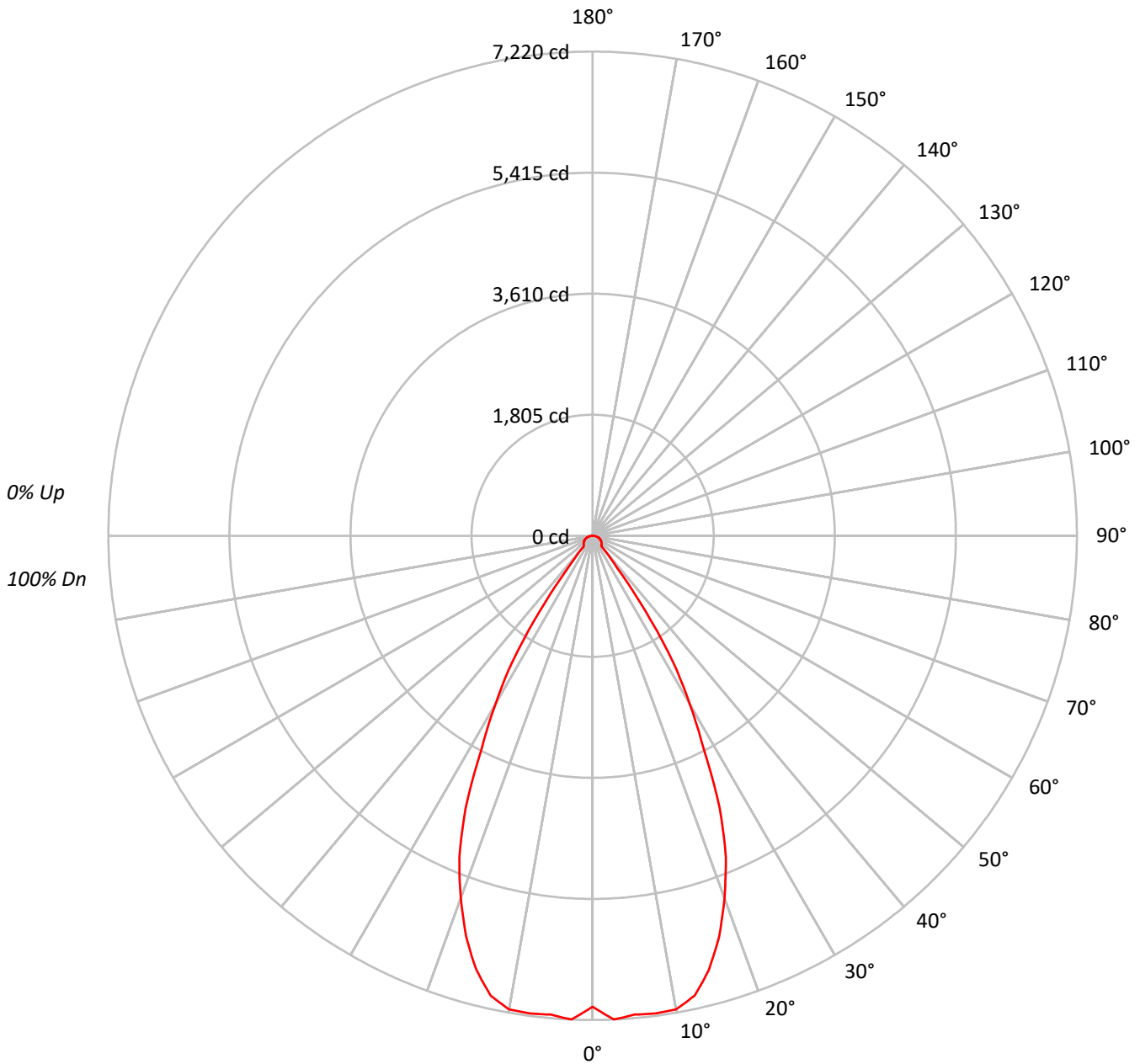


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	767305
5°	786173
10°	795673
15°	757984
20°	668313
25°	540549
30°	365634
35°	183228
40°	29724
45°	29096
50°	29678
55°	30117
60°	30964
65°	31670
70°	32393
75°	32801
80°	31649
85°	26326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.1	11.6
10°-20°	1853.5	31.3
20°-30°	1994.3	33.7
30°-40°	866.9	14.7
40°-50°	145.6	2.5
50°-60°	141.6	2.4
60°-70°	121.1	2.0
70°-80°	81.0	1.4
80°-90°	24.2	0.4
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°	4532.9	76.7
0°-40°	5399.8	91.3
0°-60°	5686.9	96.2
0°-90°	5913.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5913.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7023	
5°	7168	685
15°	6701	1854
25°	4484	1994
35°	1374	867
45°	188	146
55°	158	142
65°	122	121
75°	78	81
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7022.7
2.5°	7220.1
5°	7168.0
7.5°	7184.5
10°	7171.7
12.5°	7023.6
15°	6701.0
17.5°	6267.8
20°	5747.8
22.5°	5191.2
25°	4483.8
27.5°	3586.3
30°	2898.1
32.5°	2233.7
35°	1373.7
37.5°	587.7
40°	208.4
42.5°	191.9
45°	188.3
47.5°	181.9
50°	174.6
52.5°	166.3
55°	158.1
57.5°	149.9
60°	141.7
62.5°	132.5
65°	122.5
67.5°	112.4
70°	101.4
72.5°	89.6
75°	77.7
77.5°	64.0
80°	50.3
82.5°	35.6
85°	21.0
87.5°	7.3
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)