

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: P792078

Luminaire Tested: LER6D35BD010-EC6DR5520359035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR5520359035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3930.1 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

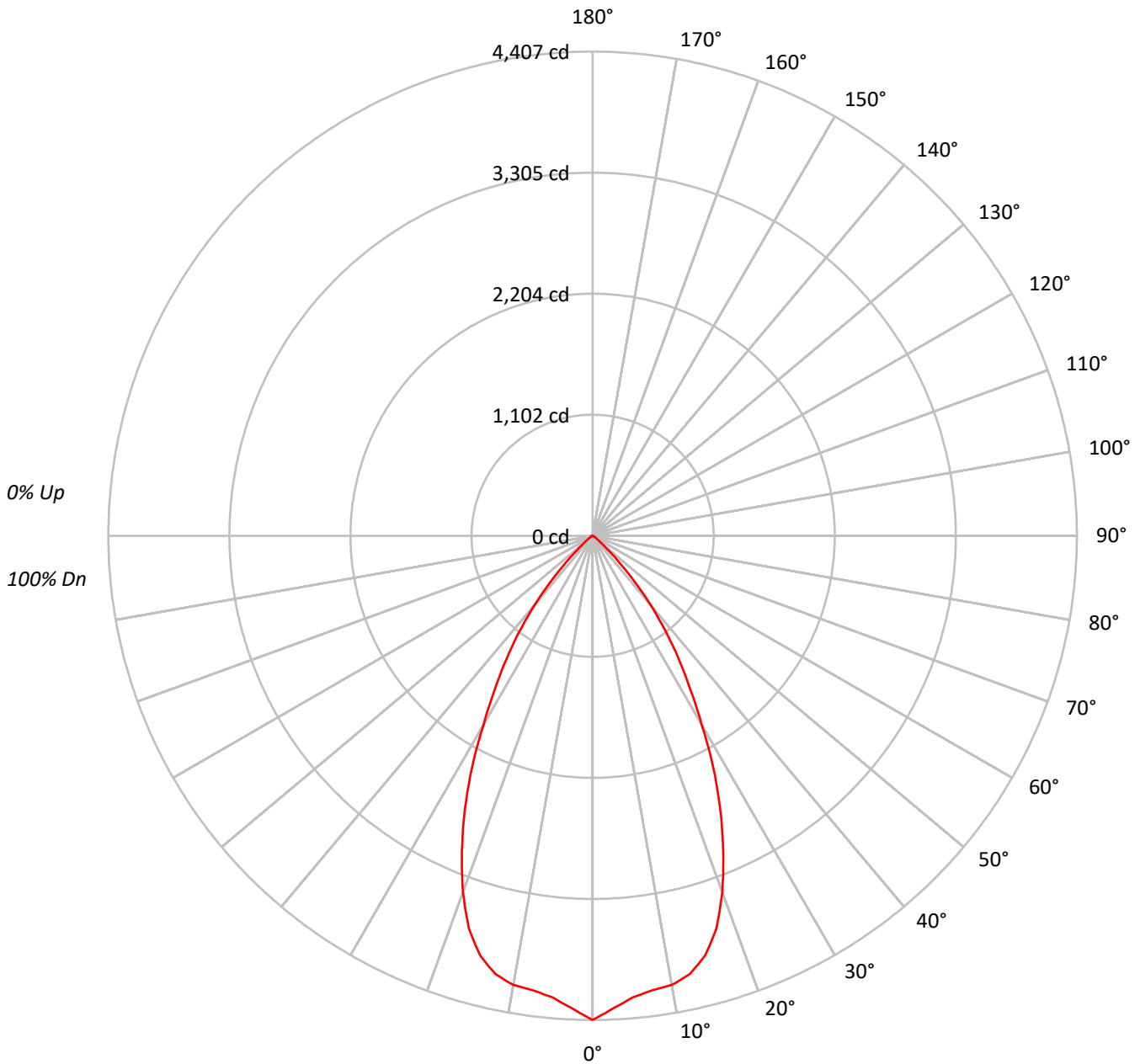
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	481523
5°	462392
10°	460649
15°	447415
20°	401176
25°	331553
30°	250447
35°	181587
40°	116215
45°	53077
50°	17355
55°	7486
60°	3212
65°	414
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53077 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.2	10.2
10°-20°	1094.9	27.9
20°-30°	1247.7	31.7
30°-40°	849.4	21.6
40°-50°	292.7	7.4
50°-60°	40.4	1.0
60°-70°	3.9	0.1
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°	2743.7	69.8
0°-40°	3593.1	91.4
0°-60°	3926.2	99.9
0°-90°	3930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3930.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4407	
5°	4216	401
15°	3955	1095
25°	2750	1248
35°	1361	849
45°	344	293
55°	39	40
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4407.1
2.5°	4306.0
5°	4215.9
7.5°	4171.7
10°	4152.0
12.5°	4086.5
15°	3955.4
17.5°	3747.4
20°	3450.3
22.5°	3107.3
25°	2750.2
27.5°	2378.3
30°	1985.1
32.5°	1652.0
35°	1361.4
37.5°	1085.1
40°	814.8
42.5°	564.7
45°	343.5
47.5°	185.1
50°	102.1
52.5°	60.6
55°	39.3
57.5°	25.1
60°	14.7
62.5°	6.6
65°	1.6
67.5°	0.5
70°	0.0
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

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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)