

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: P792666

Luminaire Tested: LER6D40BD010-EC6DR6540509050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR6540509050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3605.5 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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

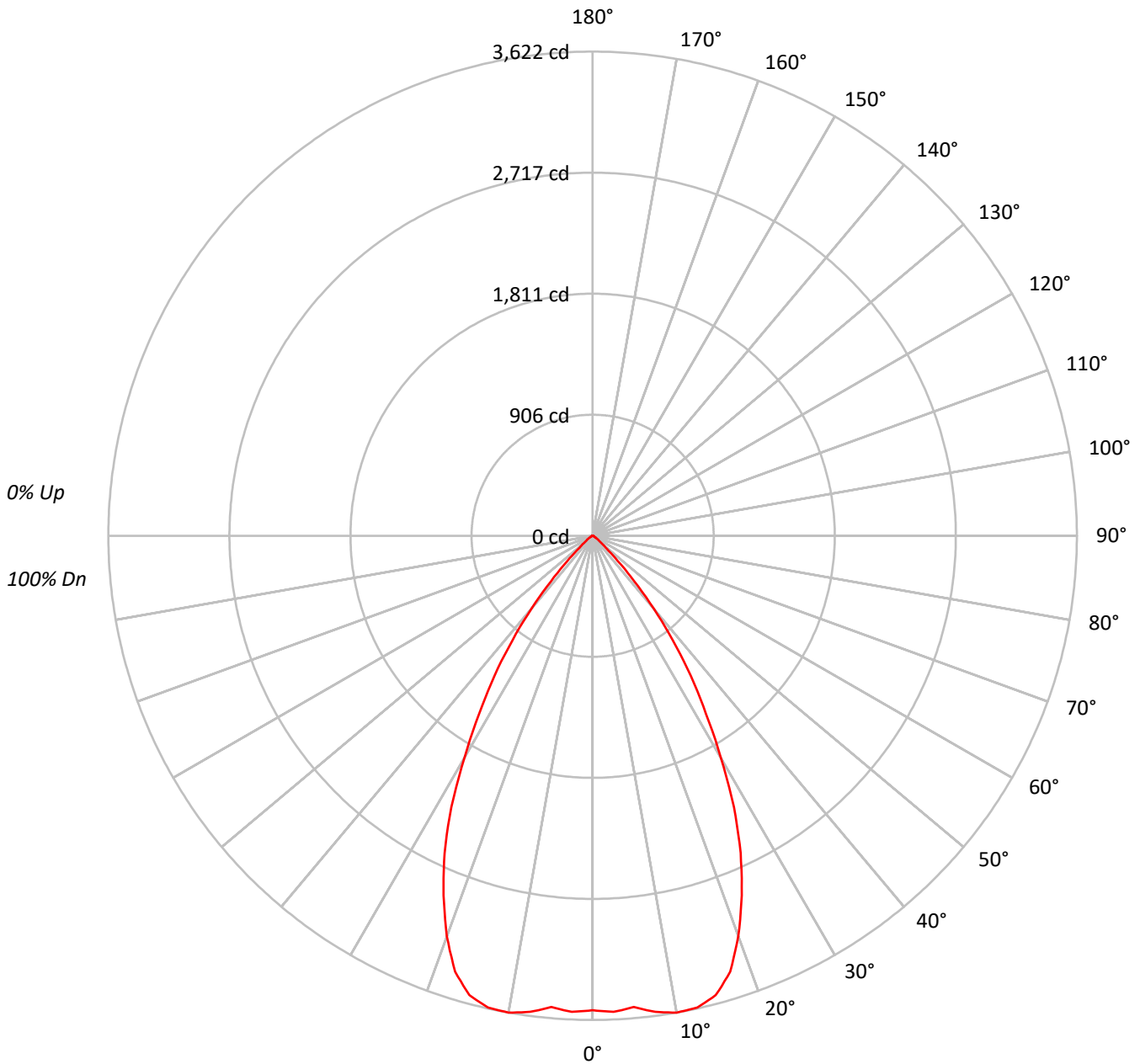


Downlight

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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									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	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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																												
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																												
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																												
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																												
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																												
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																												
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																												
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																												
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																												
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	387876
5°	388195
10°	401859
15°	402520
20°	370585
25°	315760
30°	241729
35°	170770
40°	100811
45°	40916
50°	14839
55°	8267
60°	4742
65°	2611
70°	2747
75°	2111
80°	2202
85°	1880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 40916 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.8	9.5
10°-20°	986.0	27.3
20°-30°	1183.0	32.8
30°-40°	795.0	22.1
40°-50°	238.0	6.6
50°-60°	42.0	1.2
60°-70°	11.9	0.3
70°-80°	5.8	0.2
80°-90°	1.8	0.1
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°	2510.9	69.6
0°-40°	3305.9	91.7
0°-60°	3585.9	99.5
0°-90°	3605.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3605.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3550	
5°	3539	342
15°	3558	986
25°	2619	1183
35°	1280	795
45°	265	238
55°	43	42
65°	10	12
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3550.0
2.5°	3565.1
5°	3539.4
7.5°	3592.8
10°	3622.1
12.5°	3615.0
15°	3558.5
17.5°	3420.3
20°	3187.2
22.5°	2912.8
25°	2619.2
27.5°	2287.8
30°	1916.0
32.5°	1579.0
35°	1280.3
37.5°	985.2
40°	706.8
42.5°	461.6
45°	264.8
47.5°	140.2
50°	87.3
52.5°	60.5
55°	43.4
57.5°	31.3
60°	21.7
62.5°	14.1
65°	10.1
67.5°	9.1
70°	8.6
72.5°	6.6
75°	5.0
77.5°	4.5
80°	3.5
82.5°	2.5
85°	1.5
87.5°	1.0
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)