

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: P792628

Luminaire Tested: LER6D40BD010-EC6DR6540509024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR6540509024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3538.2 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

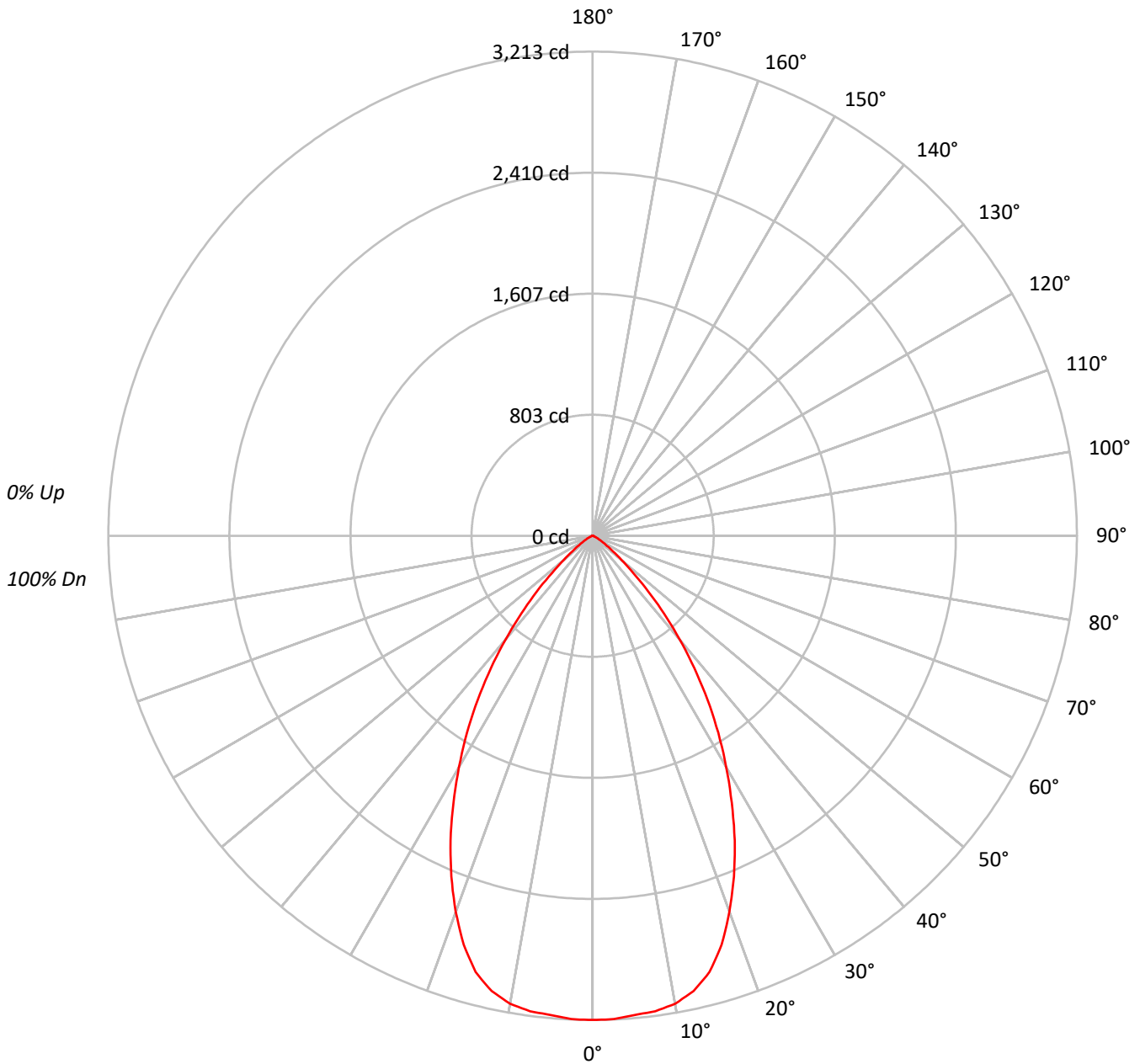


Downlight

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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									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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187628
5°	187155
10°	186994
15°	181229
20°	164989
25°	143776
30°	119583
35°	94755
40°	68388
45°	43206
50°	22524
55°	11975
60°	6284
65°	3455
70°	1451
75°	1602
80°	1110
85°	938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43206 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.8	8.6
10°-20°	831.9	23.5
20°-30°	1016.9	28.7
30°-40°	825.1	23.3
40°-50°	411.2	11.6
50°-60°	114.7	3.2
60°-70°	26.0	0.7
70°-80°	6.8	0.2
80°-90°	1.7	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°	2152.7	60.8
0°-40°	2977.8	84.2
0°-60°	3503.7	99.0
0°-90°	3538.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3538.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3213	
5°	3192	304
15°	2997	832
25°	2231	1017
35°	1329	825
45°	523	411
55°	118	115
65°	25	26
75°	7	7
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3212.6
2.5°	3210.3
5°	3192.3
7.5°	3181.9
10°	3153.1
12.5°	3094.6
15°	2997.3
17.5°	2845.3
20°	2654.6
22.5°	2448.8
25°	2231.1
27.5°	1998.4
30°	1773.2
32.5°	1550.8
35°	1329.0
37.5°	1107.5
40°	897.0
42.5°	699.6
45°	523.1
47.5°	364.5
50°	247.9
52.5°	170.9
55°	117.6
57.5°	79.3
60°	53.8
62.5°	37.3
65°	25.0
67.5°	12.7
70°	8.5
72.5°	8.0
75°	7.1
77.5°	4.7
80°	3.3
82.5°	2.4
85°	1.4
87.5°	0.9
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)