

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: P792893

Luminaire Tested: LER6D45BD010-EC6DR4040509035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D45BD010-EC6DR4040509035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717.6 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

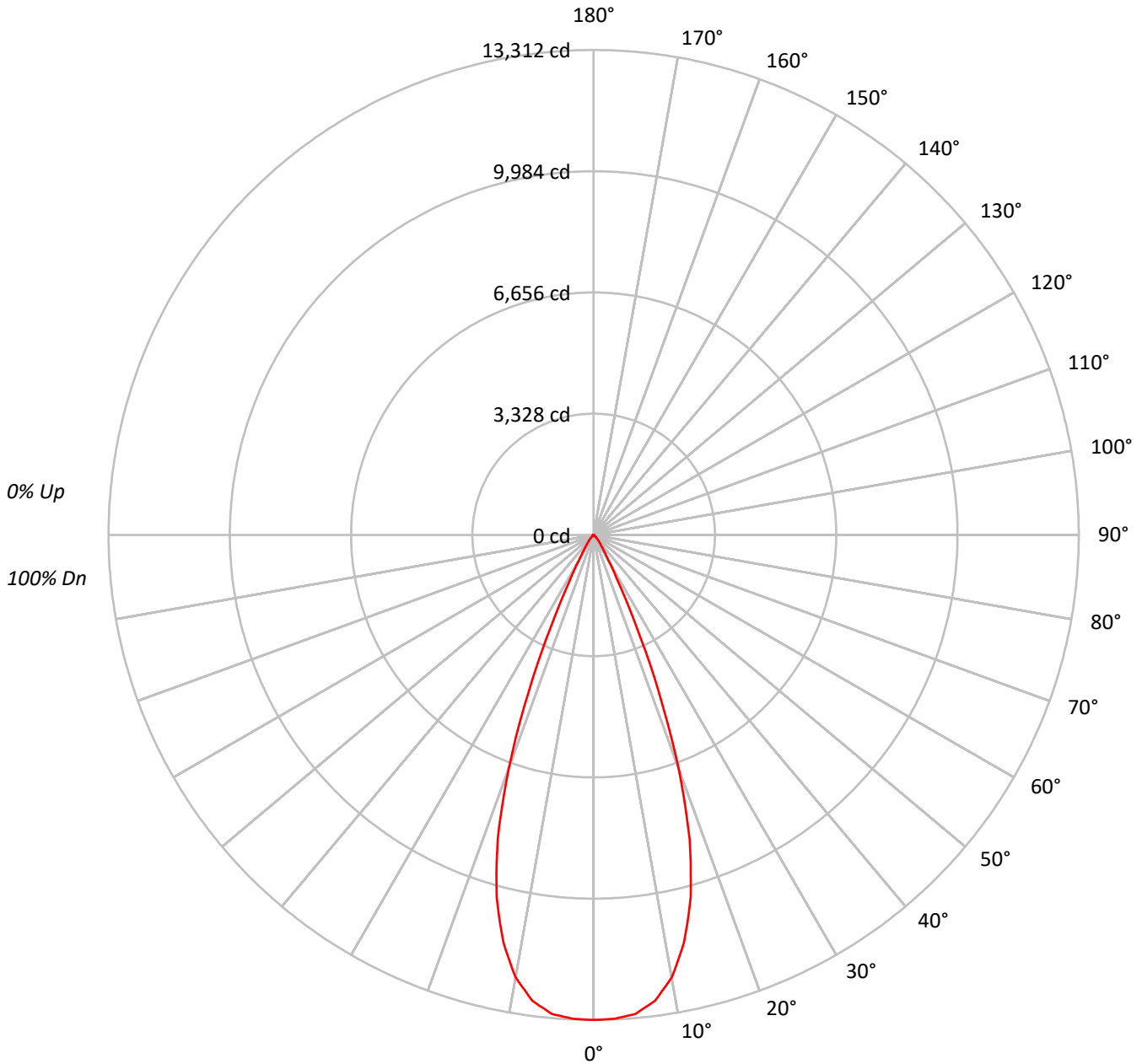
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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			
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1454501
5°	1447433
10°	1368134
15°	1163094
20°	792725
25°	330757
30°	103997
35°	48338
40°	26729
45°	12253
50°	5949
55°	3257
60°	1704
65°	595
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12253 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1232.3	21.6
10°-20°	2760.6	48.3
20°-30°	1381.9	24.2
30°-40°	253.3	4.4
40°-50°	69.9	1.2
50°-60°	16.4	0.3
60°-70°	3.2	0.1
70°-80°	0.1	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°	5374.8	94.0
0°-40°	5628.1	98.4
0°-60°	5714.4	99.9
0°-90°	5717.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5717.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13312	
5°	13197	###
15°	10282	2761
25°	2744	1382
35°	362	253
45°	79	70
55°	17	16
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13312.2
2.5°	13292.7
5°	13197.1
7.5°	12892.2
10°	12331.5
12.5°	11457.4
15°	10282.4
17.5°	8754.2
20°	6817.8
22.5°	4648.1
25°	2743.6
27.5°	1450.4
30°	824.3
32.5°	532.7
35°	362.4
37.5°	259.0
40°	187.4
42.5°	128.3
45°	79.3
47.5°	50.5
50°	35.0
52.5°	24.9
55°	17.1
57.5°	10.9
60°	7.8
62.5°	4.7
65°	2.3
67.5°	1.6
70°	0.8
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)