

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: P792533

Luminaire Tested: LER6D40BD010-EC6DR5540509024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792533
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: LER6D40BD010-EC6DR5540509024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4335.5 lumens
Efficiency: N/A
Efficacy: 123.2 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): 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

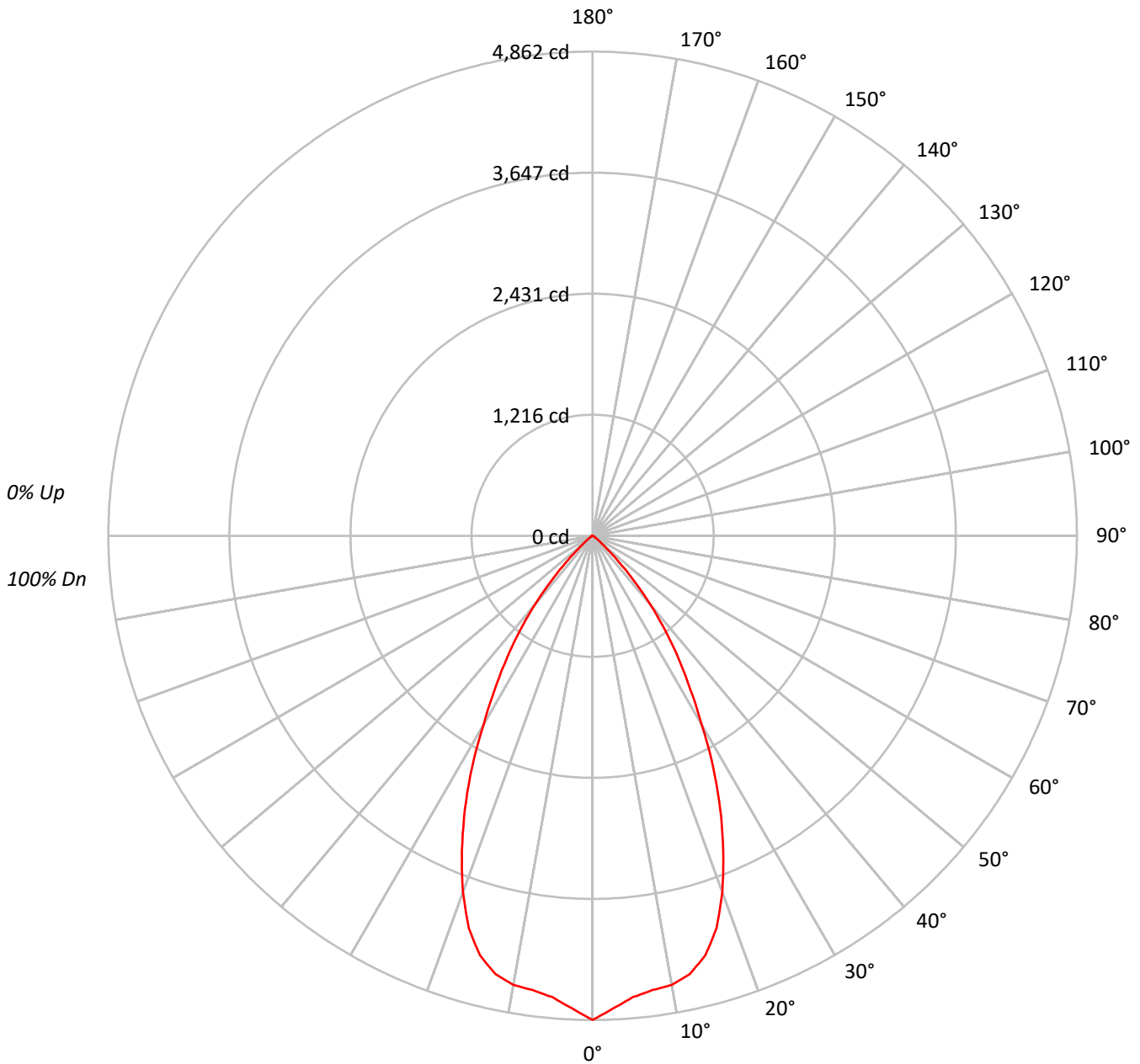


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	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°	531182
5°	510080
10°	508156
15°	493566
20°	442546
25°	365743
30°	276273
35°	200314
40°	128196
45°	58547
50°	19157
55°	8267
60°	3562
65°	465
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58547 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.5	10.2
10°-20°	1207.8	27.9
20°-30°	1376.4	31.7
30°-40°	937.0	21.6
40°-50°	322.9	7.4
50°-60°	44.6	1.0
60°-70°	4.3	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°	3026.7	69.8
0°-40°	3963.7	91.4
0°-60°	4331.2	99.9
0°-90°	4335.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4335.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4862	
5°	4651	443
15°	4363	1208
25°	3034	1376
35°	1502	937
45°	379	323
55°	43	45
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4861.6
2.5°	4750.1
5°	4650.7
7.5°	4601.9
10°	4580.2
12.5°	4508.0
15°	4363.4
17.5°	4133.8
20°	3806.1
22.5°	3427.8
25°	3033.8
27.5°	2623.6
30°	2189.8
32.5°	1822.3
35°	1501.8
37.5°	1197.0
40°	898.8
42.5°	622.9
45°	378.9
47.5°	204.2
50°	112.7
52.5°	66.9
55°	43.4
57.5°	27.7
60°	16.3
62.5°	7.2
65°	1.8
67.5°	0.6
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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)