

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: P792593

Luminaire Tested: LER6D40BD010-EC6DR6040509030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR6040509030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4713.9 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

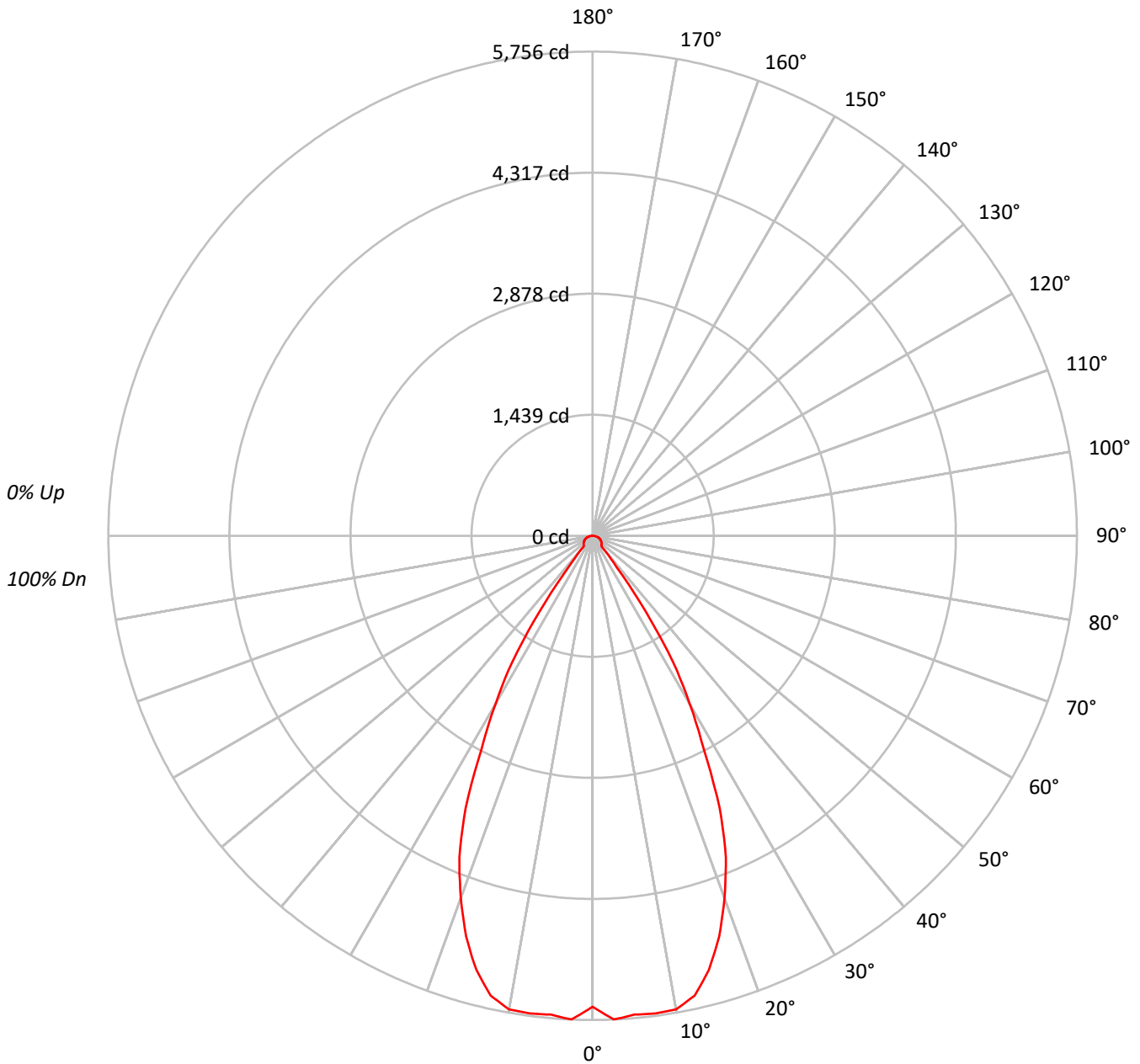


Downlight

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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									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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	611674
5°	626723
10°	634291
15°	604249
20°	532762
25°	430915
30°	291475
35°	146054
40°	23691
45°	23193
50°	23661
55°	24002
60°	24671
65°	25233
70°	25844
75°	26131
80°	25231
85°	21061

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 26131 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.1	11.6
10°-20°	1477.6	31.3
20°-30°	1589.8	33.7
30°-40°	691.0	14.7
40°-50°	116.1	2.5
50°-60°	112.9	2.4
60°-70°	96.5	2.0
70°-80°	64.6	1.4
80°-90°	19.3	0.4
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°	3613.5	76.7
0°-40°	4304.5	91.3
0°-60°	4533.5	96.2
0°-90°	4713.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4713.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5598	
5°	5714	546
15°	5342	1478
25°	3574	1590
35°	1095	691
45°	150	116
55°	126	113
65°	98	97
75°	62	65
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5598.3
2.5°	5755.7
5°	5714.2
7.5°	5727.3
10°	5717.1
12.5°	5599.0
15°	5341.9
17.5°	4996.5
20°	4582.0
22.5°	4138.3
25°	3574.4
27.5°	2858.9
30°	2310.3
32.5°	1780.6
35°	1095.0
37.5°	468.5
40°	166.1
42.5°	153.0
45°	150.1
47.5°	145.0
50°	139.2
52.5°	132.6
55°	126.0
57.5°	119.5
60°	112.9
62.5°	105.6
65°	97.6
67.5°	89.6
70°	80.9
72.5°	71.4
75°	61.9
77.5°	51.0
80°	40.1
82.5°	28.4
85°	16.8
87.5°	5.8
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)