

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: P793567

Luminaire Tested: LER6D50D010-EC6DR6040509040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793567
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: LER6D50D010-EC6DR6040509040-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4810.6 lumens
Efficiency: N/A
Efficacy: 102.4 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): 47
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

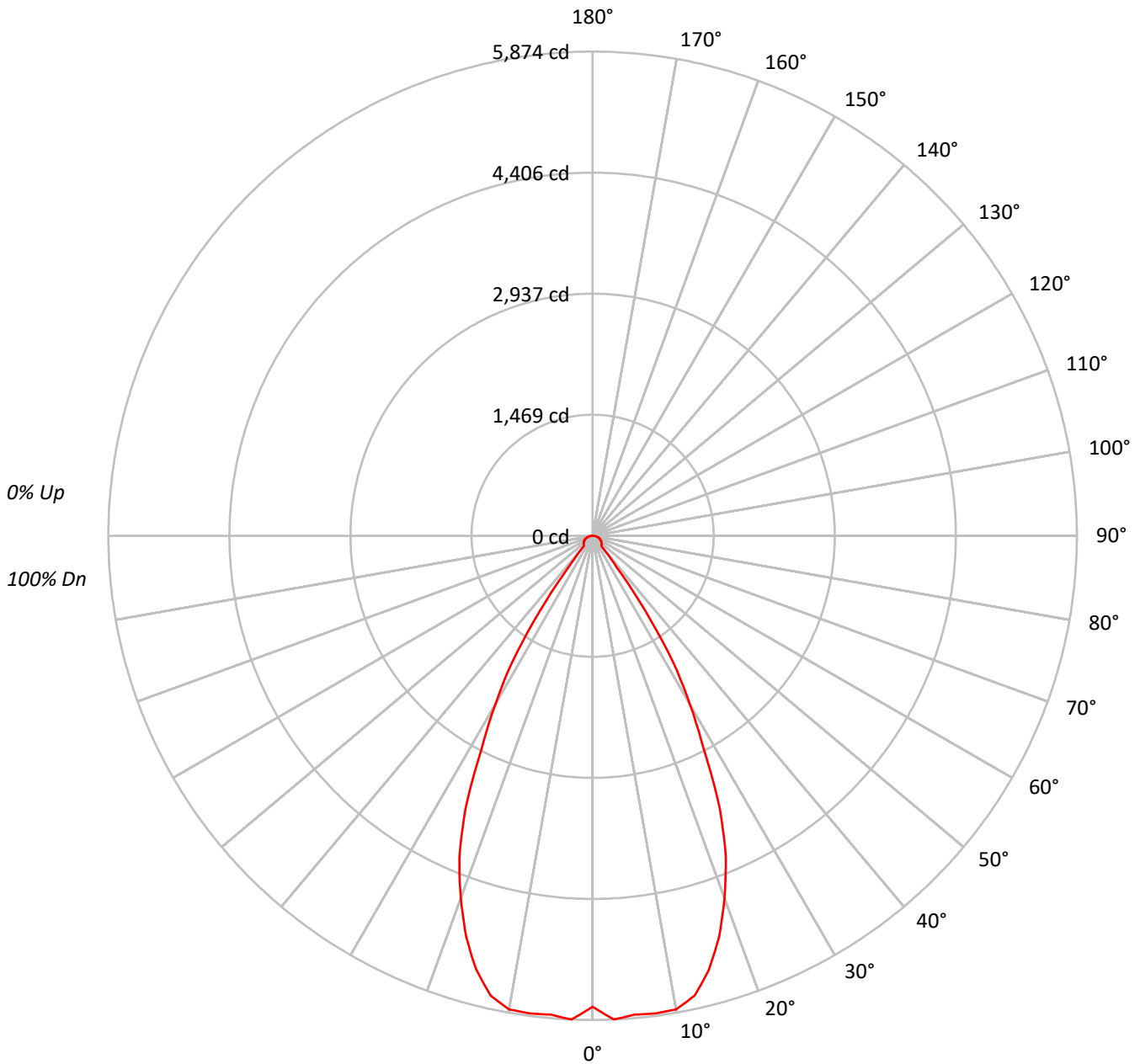


Downlight

TEST NUMBER: P793567

CATALOG NUMBER: LER6D50D010-EC6DR6040509040-6LBDP1B

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°	624239
5°	639588
10°	647316
15°	616658
20°	543704
25°	439764
30°	297456
35°	149055
40°	24176
45°	23672
50°	24137
55°	24497
60°	25174
65°	25750
70°	26355
75°	26680
80°	25735
85°	21437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 26680 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.3	11.6
10°-20°	1507.9	31.3
20°-30°	1622.4	33.7
30°-40°	705.2	14.7
40°-50°	118.5	2.5
50°-60°	115.1	2.4
60°-70°	98.5	2.0
70°-80°	65.9	1.4
80°-90°	19.7	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°	3687.7	76.7
0°-40°	4392.9	91.3
0°-60°	4626.5	96.2
0°-90°	4810.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4810.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5713	
5°	5832	557
15°	5452	1508
25°	3648	1622
35°	1118	705
45°	153	118
55°	129	115
65°	100	98
75°	63	66
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5713.3
2.5°	5873.9
5°	5831.5
7.5°	5844.9
10°	5834.5
12.5°	5714.0
15°	5451.6
17.5°	5099.1
20°	4676.1
22.5°	4223.3
25°	3647.8
27.5°	2917.6
30°	2357.7
32.5°	1817.2
35°	1117.5
37.5°	478.1
40°	169.5
42.5°	156.1
45°	153.2
47.5°	148.0
50°	142.0
52.5°	135.3
55°	128.6
57.5°	121.9
60°	115.2
62.5°	107.8
65°	99.6
67.5°	91.5
70°	82.5
72.5°	72.9
75°	63.2
77.5°	52.0
80°	40.9
82.5°	29.0
85°	17.1
87.5°	5.9
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)