

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: P793568

Luminaire Tested: LER6D50D010-EC6DR6040509040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793568
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-EC6DR6040509040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6108.9 lumens
Efficiency: N/A
Efficacy: 130.0 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

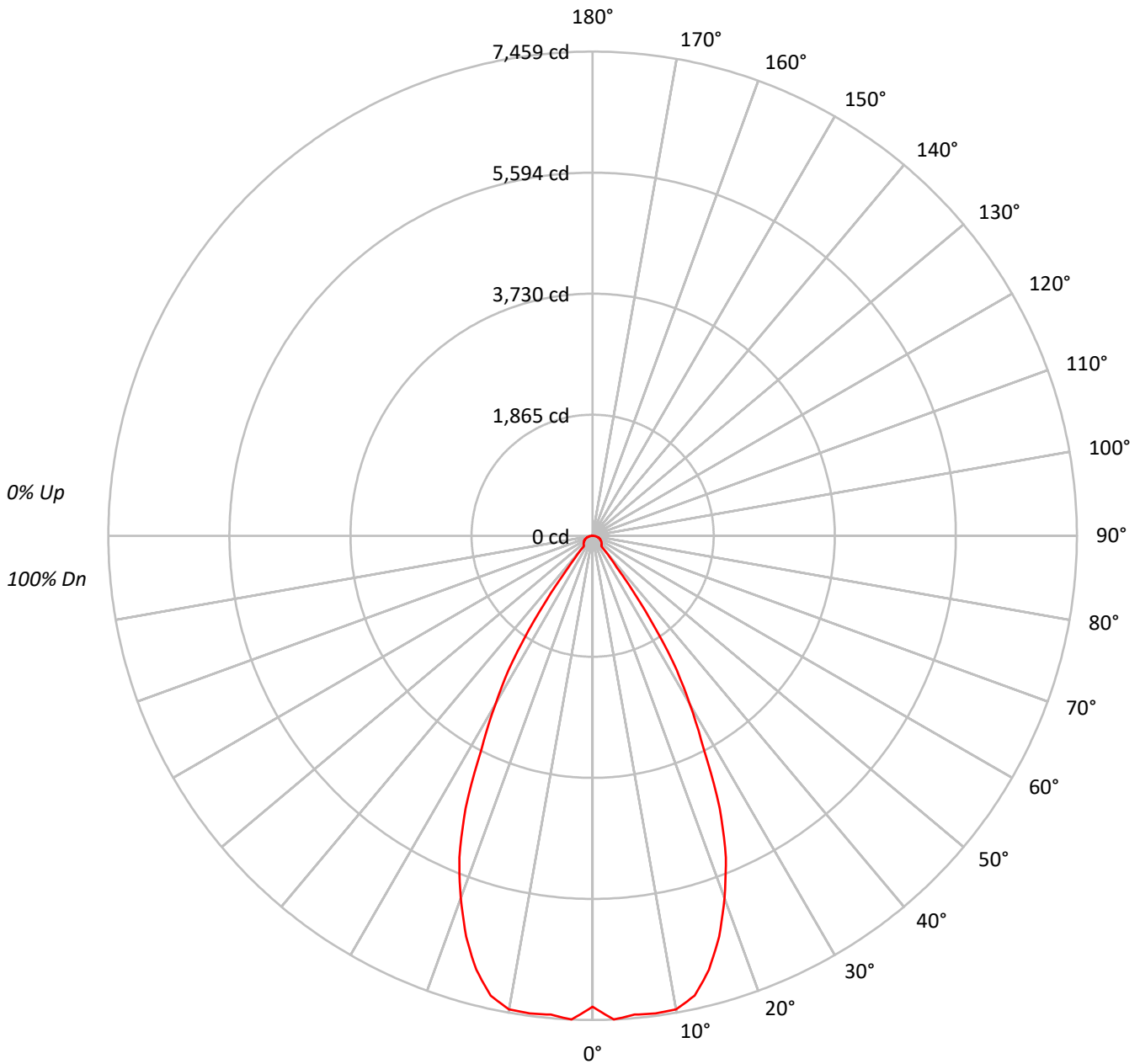
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	792709
5°	812199
10°	822012
15°	783073
20°	690440
25°	558439
30°	377733
35°	189283
40°	30708
45°	30054
50°	30647
55°	31107
60°	31992
65°	32704
70°	33479
75°	33899
80°	32656
85°	27204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 33899 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.8	11.6
10°-20°	1914.9	31.3
20°-30°	2060.3	33.7
30°-40°	895.5	14.7
40°-50°	150.4	2.5
50°-60°	146.2	2.4
60°-70°	125.1	2.0
70°-80°	83.7	1.4
80°-90°	25.0	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°	4682.9	76.7
0°-40°	5578.5	91.3
0°-60°	5875.1	96.2
0°-90°	6108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6108.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7255	
5°	7405	708
15°	6923	1915
25°	4632	2060
35°	1419	896
45°	194	150
55°	163	146
65°	126	125
75°	80	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7255.2
2.5°	7459.2
5°	7405.3
7.5°	7422.3
10°	7409.1
12.5°	7256.1
15°	6922.8
17.5°	6475.3
20°	5938.1
22.5°	5363.0
25°	4632.2
27.5°	3705.0
30°	2994.0
32.5°	2307.6
35°	1419.1
37.5°	607.1
40°	215.3
42.5°	198.3
45°	194.5
47.5°	187.9
50°	180.3
52.5°	171.8
55°	163.3
57.5°	154.8
60°	146.4
62.5°	136.9
65°	126.5
67.5°	116.1
70°	104.8
72.5°	92.5
75°	80.3
77.5°	66.1
80°	51.9
82.5°	36.8
85°	21.7
87.5°	7.6
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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