

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: P767784

Luminaire Tested: LD6D50D010-EU6DR7040509024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR7040509024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3076.9 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

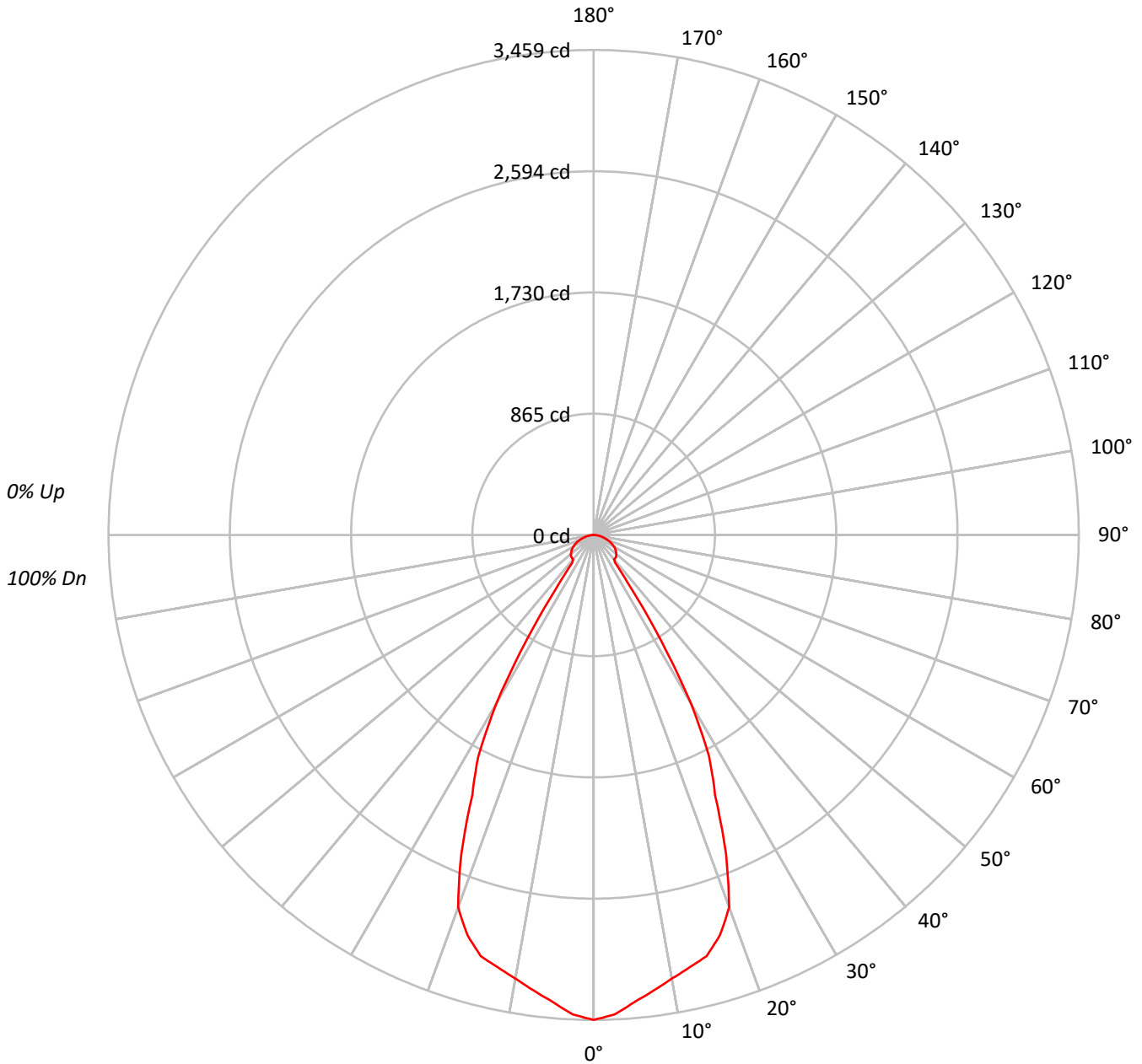
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	377966
5°	366742
10°	356515
15°	351833
20°	328541
25°	246814
30°	174484
35°	61810
40°	32491
45°	34612
50°	35849
55°	36517
60°	36733
65°	35962
70°	33958
75°	31450
80°	27937
85°	22691

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 36746 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.4	10.3
10°-20°	865.1	28.1
20°-30°	952.8	31.0
30°-40°	364.0	11.8
40°-50°	171.9	5.6
50°-60°	170.9	5.6
60°-70°	136.8	4.4
70°-80°	78.6	2.6
80°-90°	21.4	0.7
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°	2133.3	69.3
0°-40°	2497.3	81.2
0°-60°	2840.1	92.3
0°-90°	3076.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3076.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3459	
5°	3344	315
15°	3110	865
25°	2047	953
35°	463	364
45°	224	172
55°	192	171
65°	139	137
75°	74	79
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3459.3
2.5°	3423.2
5°	3343.8
7.5°	3277.5
10°	3213.4
12.5°	3159.2
15°	3110.4
17.5°	2992.7
20°	2825.6
22.5°	2465.2
25°	2047.3
27.5°	1782.3
30°	1383.0
32.5°	893.3
35°	463.4
37.5°	250.3
40°	227.8
42.5°	226.2
45°	224.0
47.5°	219.1
50°	210.9
52.5°	201.6
55°	191.7
57.5°	180.7
60°	168.1
62.5°	153.9
65°	139.1
67.5°	122.7
70°	106.3
72.5°	89.8
75°	74.5
77.5°	58.6
80°	44.4
82.5°	31.2
85°	18.1
87.5°	7.1
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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