

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: P768616

Luminaire Tested: LD6D55D010-EU6DR7055659040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768616
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: LD6D55D010-EU6DR7055659040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4294.3 lumens
Efficiency: N/A
Efficacy: 73.8 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

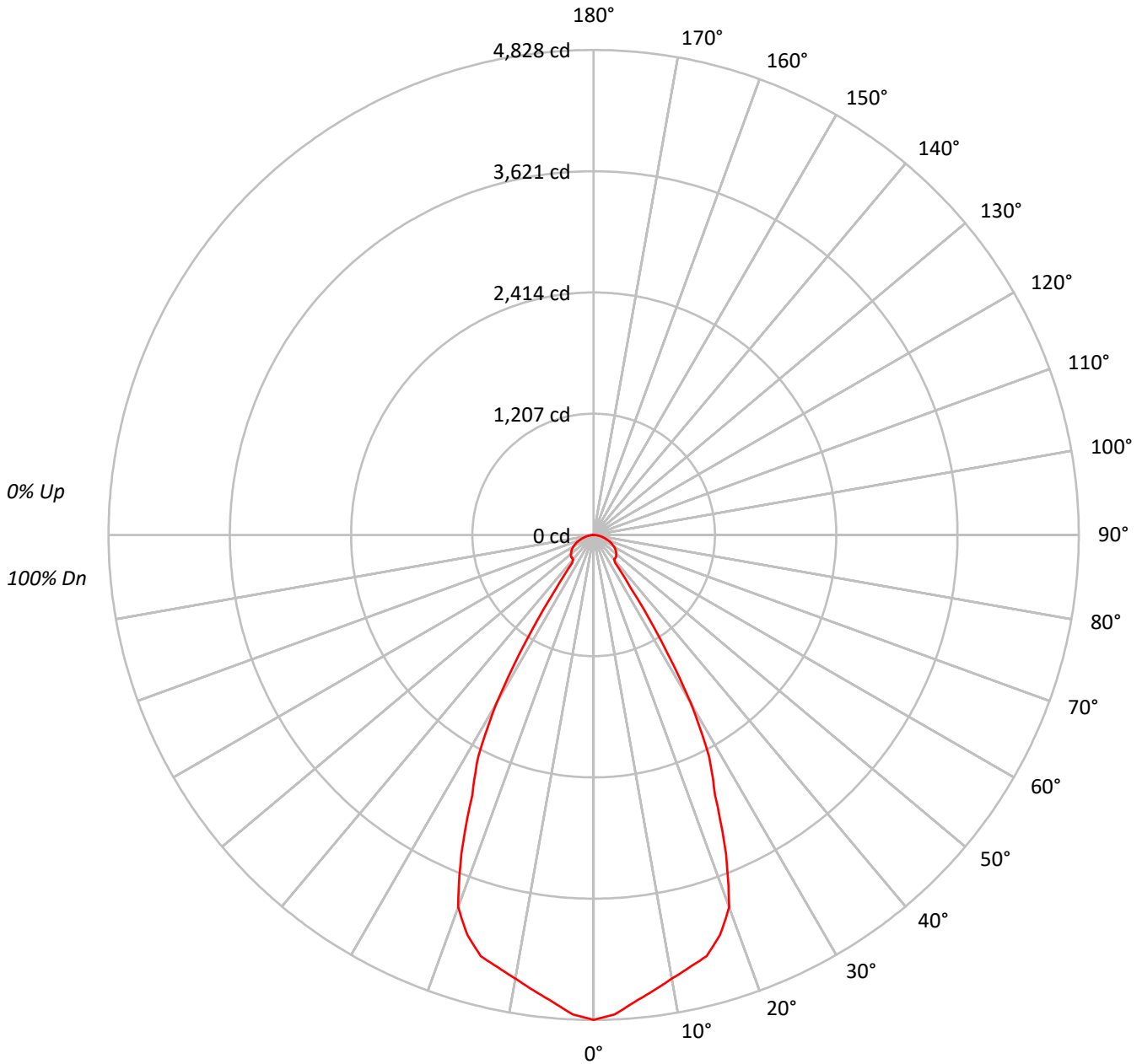
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	527522
5°	511846
10°	497572
15°	491044
20°	458534
25°	344476
30°	243521
35°	86259
40°	45356
45°	48302
50°	50025
55°	50956
60°	51287
65°	50207
70°	47375
75°	43904
80°	38948
85°	31591

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 51306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.2	10.3
10°-20°	1207.4	28.1
20°-30°	1329.8	31.0
30°-40°	508.1	11.8
40°-50°	239.9	5.6
50°-60°	238.5	5.6
60°-70°	191.0	4.4
70°-80°	109.8	2.6
80°-90°	29.8	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°	2977.3	69.3
0°-40°	3485.4	81.2
0°-60°	3963.8	92.3
0°-90°	4294.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4294.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4828	
5°	4667	440
15°	4341	1207
25°	2857	1330
35°	647	508
45°	313	240
55°	268	238
65°	194	191
75°	104	110
85°	25	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4828.1
2.5°	4777.6
5°	4666.8
7.5°	4574.3
10°	4484.8
12.5°	4409.2
15°	4341.1
17.5°	4176.8
20°	3943.6
22.5°	3440.6
25°	2857.4
27.5°	2487.4
30°	1930.2
32.5°	1246.8
35°	646.7
37.5°	349.3
40°	318.0
42.5°	315.7
45°	312.6
47.5°	305.8
50°	294.3
52.5°	281.3
55°	267.5
57.5°	252.3
60°	234.7
62.5°	214.8
65°	194.2
67.5°	171.2
70°	148.3
72.5°	125.4
75°	104.0
77.5°	81.8
80°	61.9
82.5°	43.6
85°	25.2
87.5°	9.9
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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