

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P768460

Luminaire Tested: LD6D55D010-EU6DR6055659040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768460
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: LD6D55D010-EU6DR6055659040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

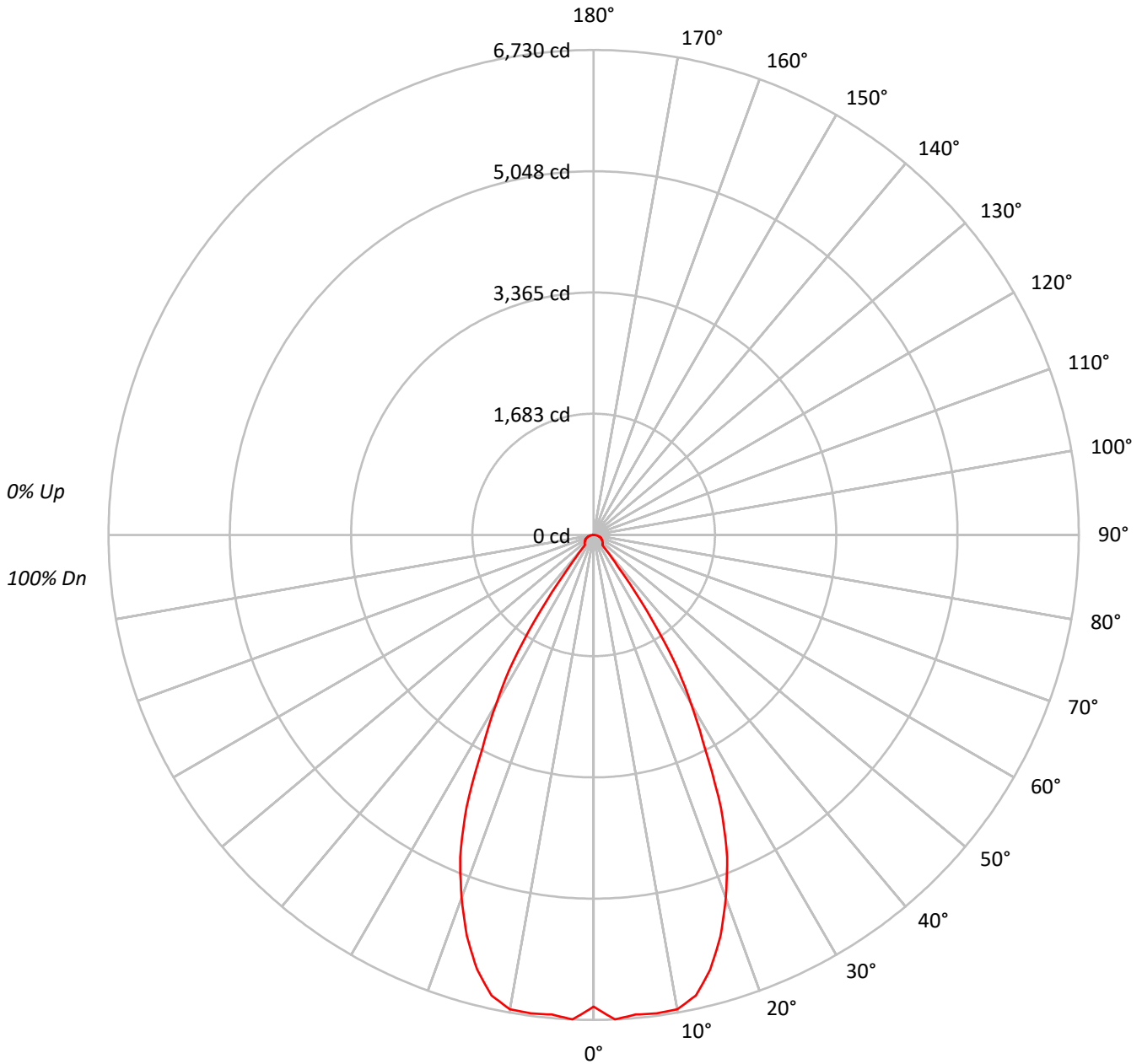
Lumens per Lamp: N/A
Luminaire Lumens: 5511.4 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	715177
5°	732759
10°	741609
15°	706483
20°	622897
25°	503815
30°	340793
35°	170770
40°	27699
45°	27118
50°	27656
55°	28078
60°	28845
65°	29499
70°	30221
75°	30564
80°	29510
85°	24571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30564 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.5	11.6
10°-20°	1727.6	31.3
20°-30°	1858.7	33.7
30°-40°	808.0	14.7
40°-50°	135.7	2.5
50°-60°	131.9	2.4
60°-70°	112.8	2.0
70°-80°	75.5	1.4
80°-90°	22.6	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°	4224.9	76.7
0°-40°	5032.8	91.3
0°-60°	5300.5	96.2
0°-90°	5511.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5511.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6546	
5°	6681	639
15°	6246	1728
25°	4179	1859
35°	1280	808
45°	176	136
55°	147	132
65°	114	113
75°	72	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6545.6
2.5°	6729.6
5°	6681.0
7.5°	6696.3
10°	6684.4
12.5°	6546.4
15°	6245.7
17.5°	5841.9
20°	5357.2
22.5°	4838.5
25°	4179.1
27.5°	3342.6
30°	2701.2
32.5°	2081.9
35°	1280.3
37.5°	547.7
40°	194.2
42.5°	178.9
45°	175.5
47.5°	169.5
50°	162.7
52.5°	155.0
55°	147.4
57.5°	139.7
60°	132.0
62.5°	123.5
65°	114.1
67.5°	104.8
70°	94.6
72.5°	83.5
75°	72.4
77.5°	59.6
80°	46.9
82.5°	33.2
85°	19.6
87.5°	6.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)