

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: P769968

Luminaire Tested: LD6D65D010-EU6DR6055659024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769968
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: LD6D65D010-EU6DR6055659024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5429.9 lumens
Efficiency: N/A
Efficacy: 74.6 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

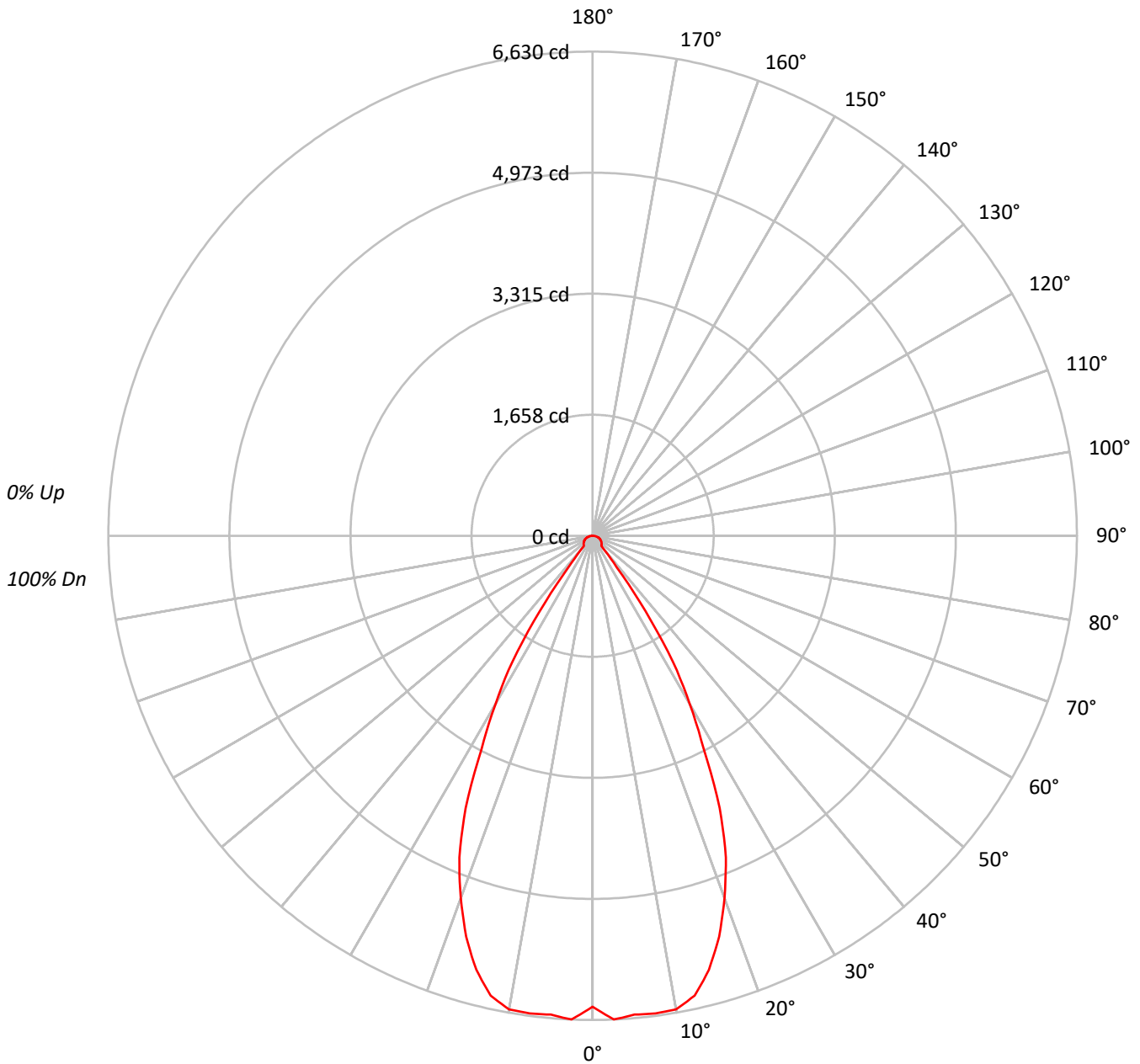
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	704601
5°	721923
10°	730648
15°	696031
20°	613688
25°	496365
30°	335746
35°	168249
40°	27285
45°	26716
50°	27248
55°	27659
60°	28430
65°	29085
70°	29773
75°	30099
80°	29069
85°	24195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30099 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.1	11.6
10°-20°	1702.0	31.3
20°-30°	1831.3	33.7
30°-40°	796.0	14.7
40°-50°	133.7	2.5
50°-60°	130.0	2.4
60°-70°	111.2	2.0
70°-80°	74.4	1.4
80°-90°	22.2	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°	4162.4	76.7
0°-40°	4958.4	91.3
0°-60°	5222.1	96.2
0°-90°	5429.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5429.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6449	
5°	6582	629
15°	6153	1702
25°	4117	1831
35°	1261	796
45°	173	134
55°	145	130
65°	112	111
75°	71	74
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6448.8
2.5°	6630.0
5°	6582.2
7.5°	6597.3
10°	6585.6
12.5°	6449.6
15°	6153.3
17.5°	5755.5
20°	5278.0
22.5°	4766.9
25°	4117.3
27.5°	3293.2
30°	2661.2
32.5°	2051.1
35°	1261.4
37.5°	539.6
40°	191.3
42.5°	176.2
45°	172.9
47.5°	167.0
50°	160.3
52.5°	152.7
55°	145.2
57.5°	137.6
60°	130.1
62.5°	121.7
65°	112.5
67.5°	103.2
70°	93.2
72.5°	82.2
75°	71.3
77.5°	58.7
80°	46.2
82.5°	32.7
85°	19.3
87.5°	6.7
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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