

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: P769981

Luminaire Tested: LD6D65D010-EU6DR6055659027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769981
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-EU6DR6055659027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6151.0 lumens
Efficiency: N/A
Efficacy: 84.5 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

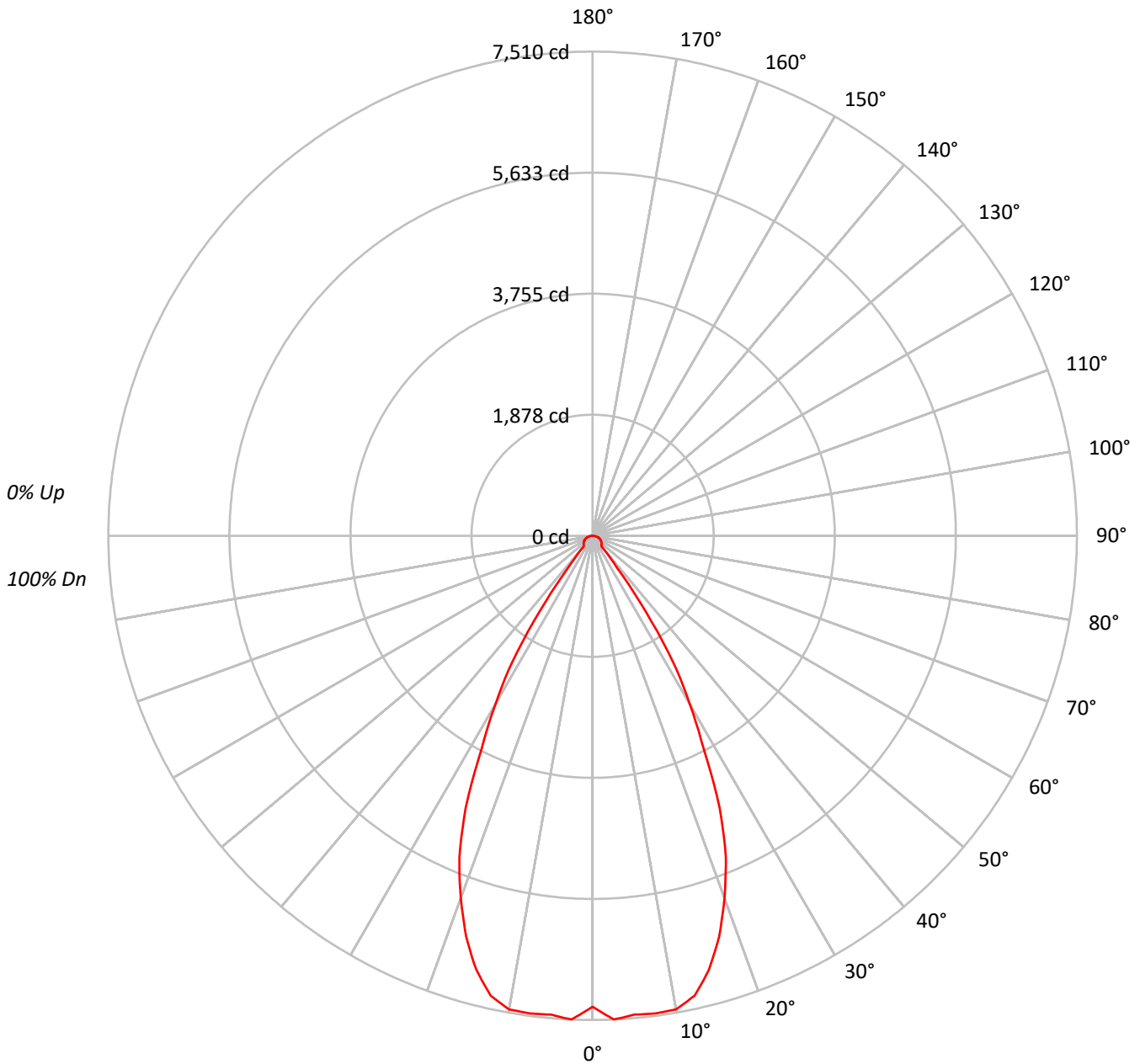
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	798150
5°	817782
10°	827659
15°	788457
20°	695172
25°	562273
30°	380332
35°	190591
40°	30922
45°	30255
50°	30868
55°	31336
60°	32210
65°	32937
70°	33703
75°	34110
80°	32908
85°	27454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.6	11.6
10°-20°	1928.1	31.3
20°-30°	2074.4	33.7
30°-40°	901.7	14.7
40°-50°	151.4	2.5
50°-60°	147.3	2.4
60°-70°	125.9	2.0
70°-80°	84.3	1.4
80°-90°	25.2	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°	4715.1	76.7
0°-40°	5616.8	91.3
0°-60°	5915.5	96.2
0°-90°	6151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6151.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7305	
5°	7456	713
15°	6970	1928
25°	4664	2074
35°	1429	902
45°	196	151
55°	164	147
65°	127	126
75°	81	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7305.0
2.5°	7510.4
5°	7456.2
7.5°	7473.3
10°	7460.0
12.5°	7306.0
15°	6970.4
17.5°	6519.8
20°	5978.8
22.5°	5399.9
25°	4664.0
27.5°	3730.5
30°	3014.6
32.5°	2323.5
35°	1428.9
37.5°	611.3
40°	216.8
42.5°	199.6
45°	195.8
47.5°	189.2
50°	181.6
52.5°	173.0
55°	164.5
57.5°	155.9
60°	147.4
62.5°	137.8
65°	127.4
67.5°	116.9
70°	105.5
72.5°	93.2
75°	80.8
77.5°	66.5
80°	52.3
82.5°	37.1
85°	21.9
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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