

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: P770020

Luminaire Tested: LD6D65D010-EU6DR6055659040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770020
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-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: 6703.0 lumens
Efficiency: N/A
Efficacy: 92.1 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

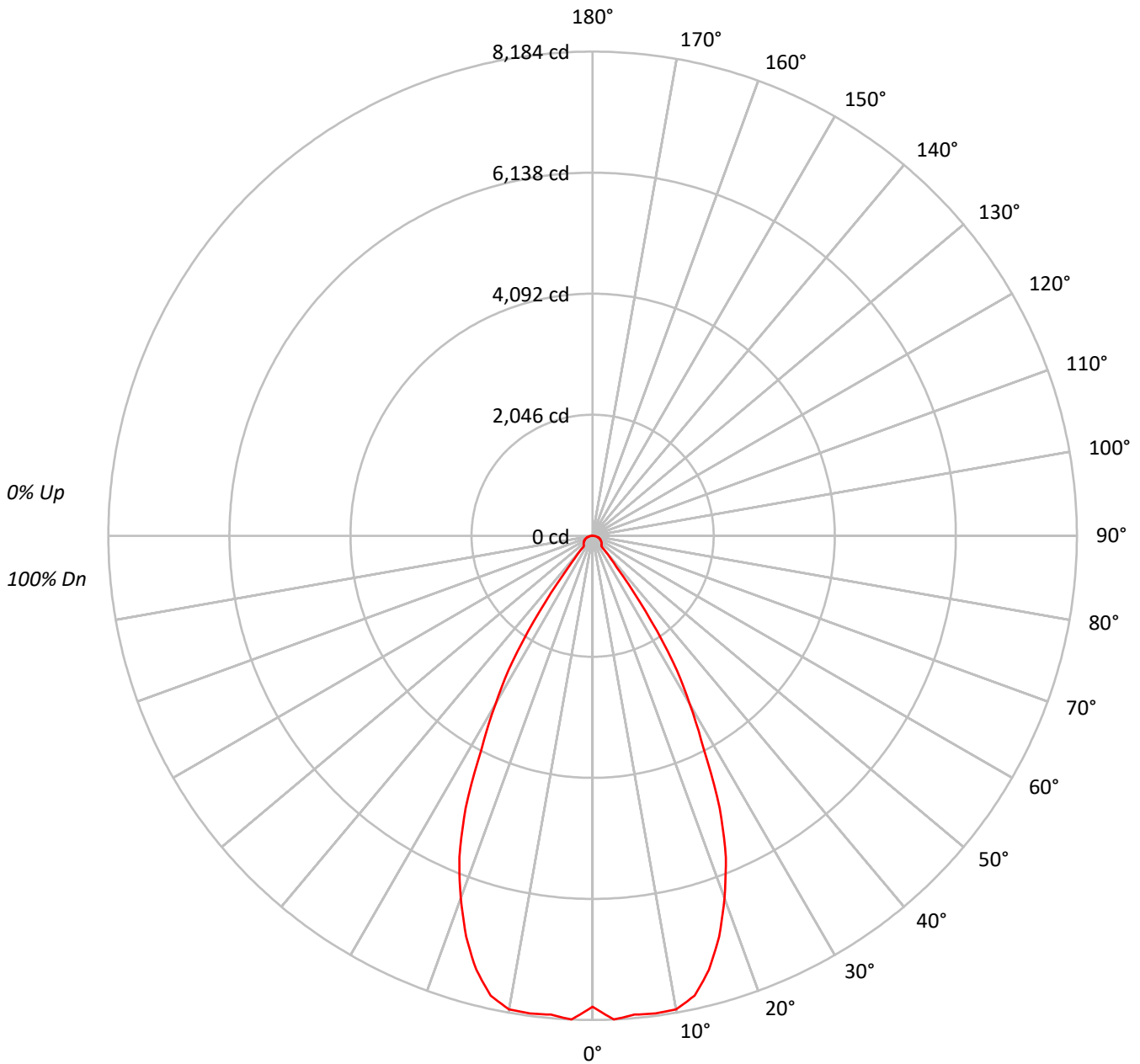
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	869781
5°	891168
10°	901938
15°	859211
20°	757564
25°	612737
30°	414460
35°	207690
40°	33689
45°	32974
50°	33639
55°	34136
60°	35095
65°	35884
70°	36738
75°	37192
80°	35865
85°	29836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.6	11.6
10°-20°	2101.1	31.3
20°-30°	2260.6	33.7
30°-40°	982.6	14.7
40°-50°	165.1	2.5
50°-60°	160.5	2.4
60°-70°	137.2	2.0
70°-80°	91.8	1.4
80°-90°	27.5	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°	5138.2	76.7
0°-40°	6120.9	91.3
0°-60°	6446.4	96.2
0°-90°	6703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6703.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7961	
5°	8125	777
15°	7596	2101
25°	5083	2261
35°	1557	983
45°	213	165
55°	179	160
65°	139	137
75°	88	92
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7960.6
2.5°	8184.4
5°	8125.3
7.5°	8144.0
10°	8129.5
12.5°	7961.6
15°	7595.9
17.5°	7104.9
20°	6515.4
22.5°	5884.5
25°	5082.6
27.5°	4065.3
30°	3285.1
32.5°	2532.0
35°	1557.1
37.5°	666.1
40°	236.2
42.5°	217.6
45°	213.4
47.5°	206.2
50°	197.9
52.5°	188.6
55°	179.2
57.5°	169.9
60°	160.6
62.5°	150.2
65°	138.8
67.5°	127.4
70°	115.0
72.5°	101.5
75°	88.1
77.5°	72.5
80°	57.0
82.5°	40.4
85°	23.8
87.5°	8.3
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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