

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: P770094

Luminaire Tested: LD6D65D010-EU6DR6555659040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR6555659040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7173.3 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

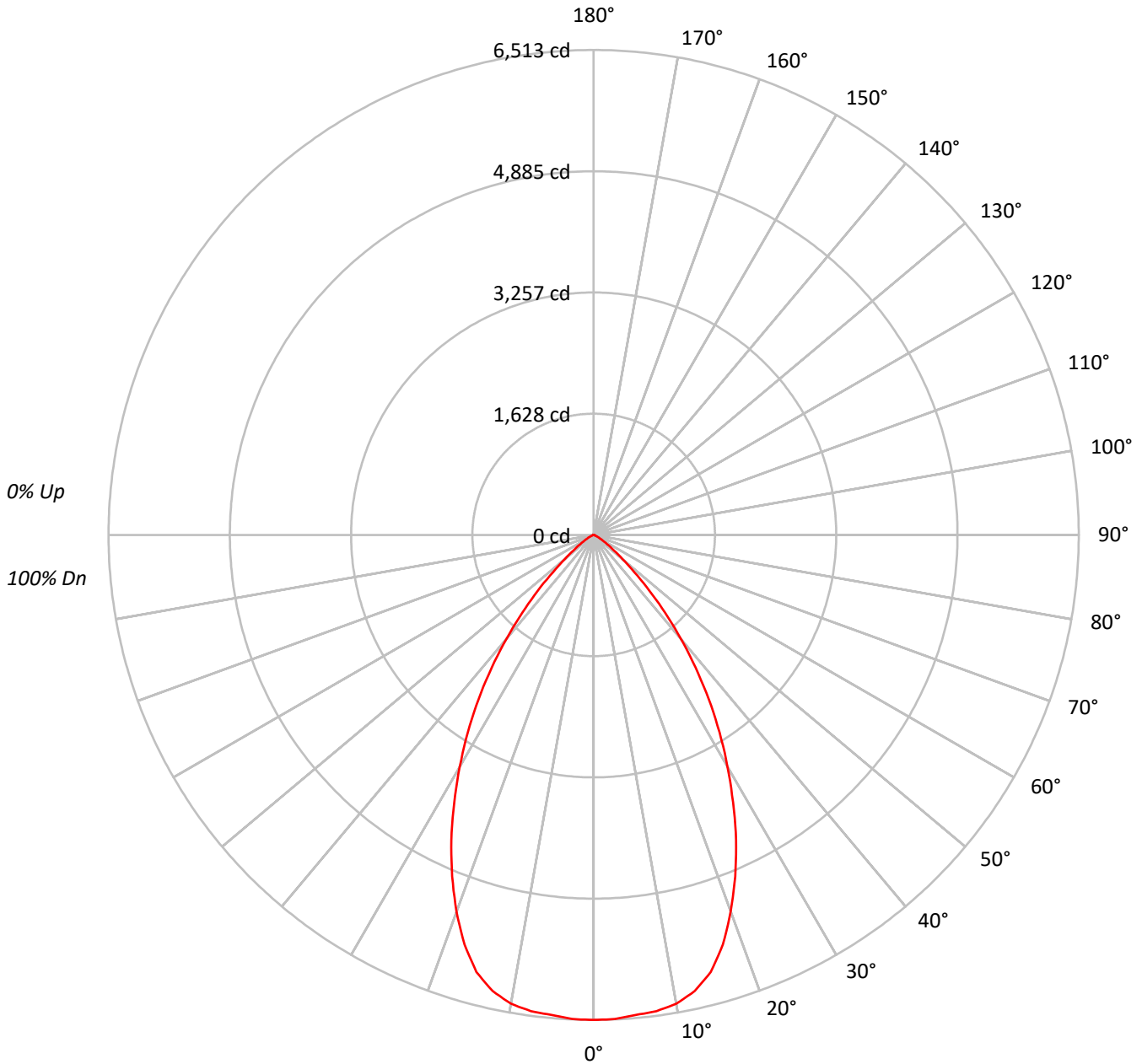
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	380390
5°	379434
10°	379106
15°	367422
20°	334490
25°	291488
30°	242436
35°	192098
40°	138644
45°	87593
50°	45657
55°	24265
60°	12744
65°	7007
70°	2937
75°	3249
80°	2253
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 87593 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.9	8.6
10°-20°	1686.7	23.5
20°-30°	2061.7	28.7
30°-40°	1672.8	23.3
40°-50°	833.6	11.6
50°-60°	232.5	3.2
60°-70°	52.8	0.7
70°-80°	13.8	0.2
80°-90°	3.5	0.0
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°	4364.3	60.8
0°-40°	6037.1	84.2
0°-60°	7103.2	99.0
0°-90°	7173.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7173.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6513	
5°	6472	616
15°	6077	1687
25°	4523	2062
35°	2694	1673
45°	1060	834
55°	238	233
65°	51	53
75°	14	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6513.1
2.5°	6508.3
5°	6472.0
7.5°	6450.9
10°	6392.5
12.5°	6273.8
15°	6076.7
17.5°	5768.5
20°	5381.8
22.5°	4964.5
25°	4523.3
27.5°	4051.4
30°	3594.9
32.5°	3144.1
35°	2694.3
37.5°	2245.4
40°	1818.5
42.5°	1418.4
45°	1060.5
47.5°	738.9
50°	502.5
52.5°	346.5
55°	238.3
57.5°	160.8
60°	109.1
62.5°	75.6
65°	50.7
67.5°	25.8
70°	17.2
72.5°	16.3
75°	14.4
77.5°	9.6
80°	6.7
82.5°	4.8
85°	2.9
87.5°	1.9
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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