

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: P770068

Luminaire Tested: LD6D65D010-EU6DR6555659030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770068
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-EU6DR6555659030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6781.4 lumens
Efficiency: N/A
Efficacy: 93.2 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

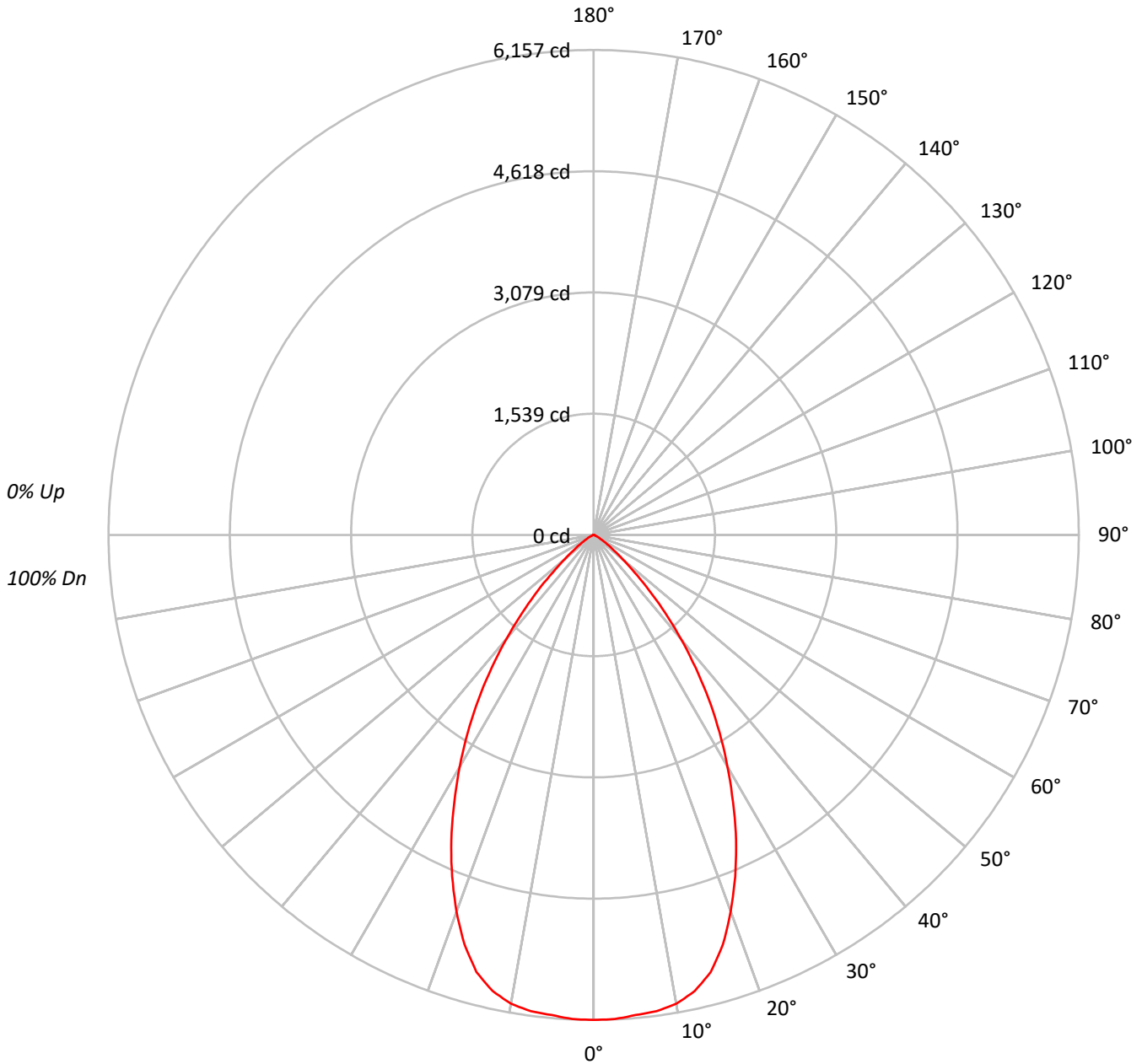
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	359616
5°	358709
10°	358403
15°	347354
20°	316224
25°	275565
30°	229191
35°	181603
40°	131073
45°	82810
50°	43159
55°	22941
60°	12055
65°	6633
70°	2783
75°	3069
80°	2119
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 82810 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.3	8.6
10°-20°	1594.5	23.5
20°-30°	1949.1	28.7
30°-40°	1581.4	23.3
40°-50°	788.1	11.6
50°-60°	219.8	3.2
60°-70°	50.0	0.7
70°-80°	13.0	0.2
80°-90°	3.3	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°	4125.9	60.8
0°-40°	5707.3	84.2
0°-60°	6715.2	99.0
0°-90°	6781.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6781.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6157	
5°	6118	582
15°	5745	1595
25°	4276	1949
35°	2547	1581
45°	1003	788
55°	225	220
65°	48	50
75°	14	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6157.4
2.5°	6152.8
5°	6118.5
7.5°	6098.5
10°	6043.4
12.5°	5931.2
15°	5744.8
17.5°	5453.4
20°	5087.9
22.5°	4693.3
25°	4276.2
27.5°	3830.1
30°	3398.5
32.5°	2972.4
35°	2547.1
37.5°	2122.7
40°	1719.2
42.5°	1341.0
45°	1002.6
47.5°	698.5
50°	475.0
52.5°	327.5
55°	225.3
57.5°	152.0
60°	103.2
62.5°	71.5
65°	48.0
67.5°	24.4
70°	16.3
72.5°	15.4
75°	13.6
77.5°	9.0
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
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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(END OF REPORT)