

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: P751922

Luminaire Tested: LD4D65D010-EU4DR6055659030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751922
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: LD4D65D010-EU4DR6055659030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5255.0 lumens
Efficiency: N/A
Efficacy: 72.2 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

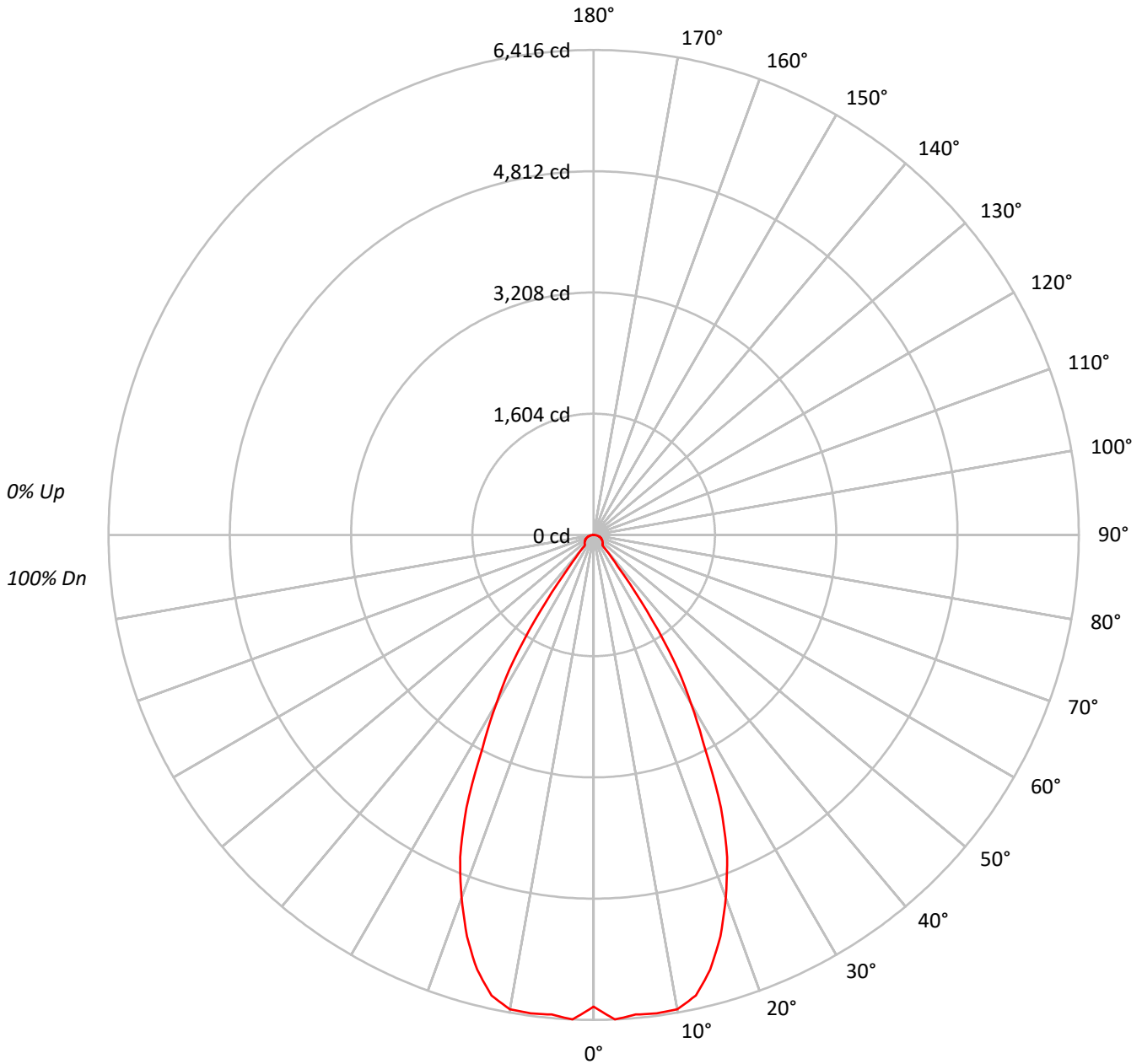
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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			
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°	681896
5°	698661
10°	707105
15°	673611
20°	593922
25°	480379
30°	324934
35°	162820
40°	26415
45°	25851
50°	26364
55°	26764
60°	27512
65°	28128
70°	28815
75°	29128
80°	28126
85°	23443

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.8	11.6
10°-20°	1647.2	31.3
20°-30°	1772.3	33.7
30°-40°	770.3	14.7
40°-50°	129.4	2.5
50°-60°	125.8	2.4
60°-70°	107.6	2.0
70°-80°	72.0	1.4
80°-90°	21.6	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°	4028.3	76.7
0°-40°	4798.6	91.3
0°-60°	5053.8	96.2
0°-90°	5255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5255.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6241	
5°	6370	609
15°	5955	1647
25°	3985	1772
35°	1221	770
45°	167	129
55°	140	126
65°	109	108
75°	69	72
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6241.0
2.5°	6416.4
5°	6370.1
7.5°	6384.7
10°	6373.4
12.5°	6241.8
15°	5955.1
17.5°	5570.1
20°	5108.0
22.5°	4613.3
25°	3984.7
27.5°	3187.1
30°	2575.5
32.5°	1985.0
35°	1220.7
37.5°	522.2
40°	185.2
42.5°	170.6
45°	167.3
47.5°	161.6
50°	155.1
52.5°	147.8
55°	140.5
57.5°	133.2
60°	125.9
62.5°	117.8
65°	108.8
67.5°	99.9
70°	90.2
72.5°	79.6
75°	69.0
77.5°	56.9
80°	44.7
82.5°	31.7
85°	18.7
87.5°	6.5
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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