

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: P751935

Luminaire Tested: LD4D65D010-EU4DR6055659035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751935
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-EU4DR6055659035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5310.4 lumens
Efficiency: N/A
Efficacy: 72.9 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

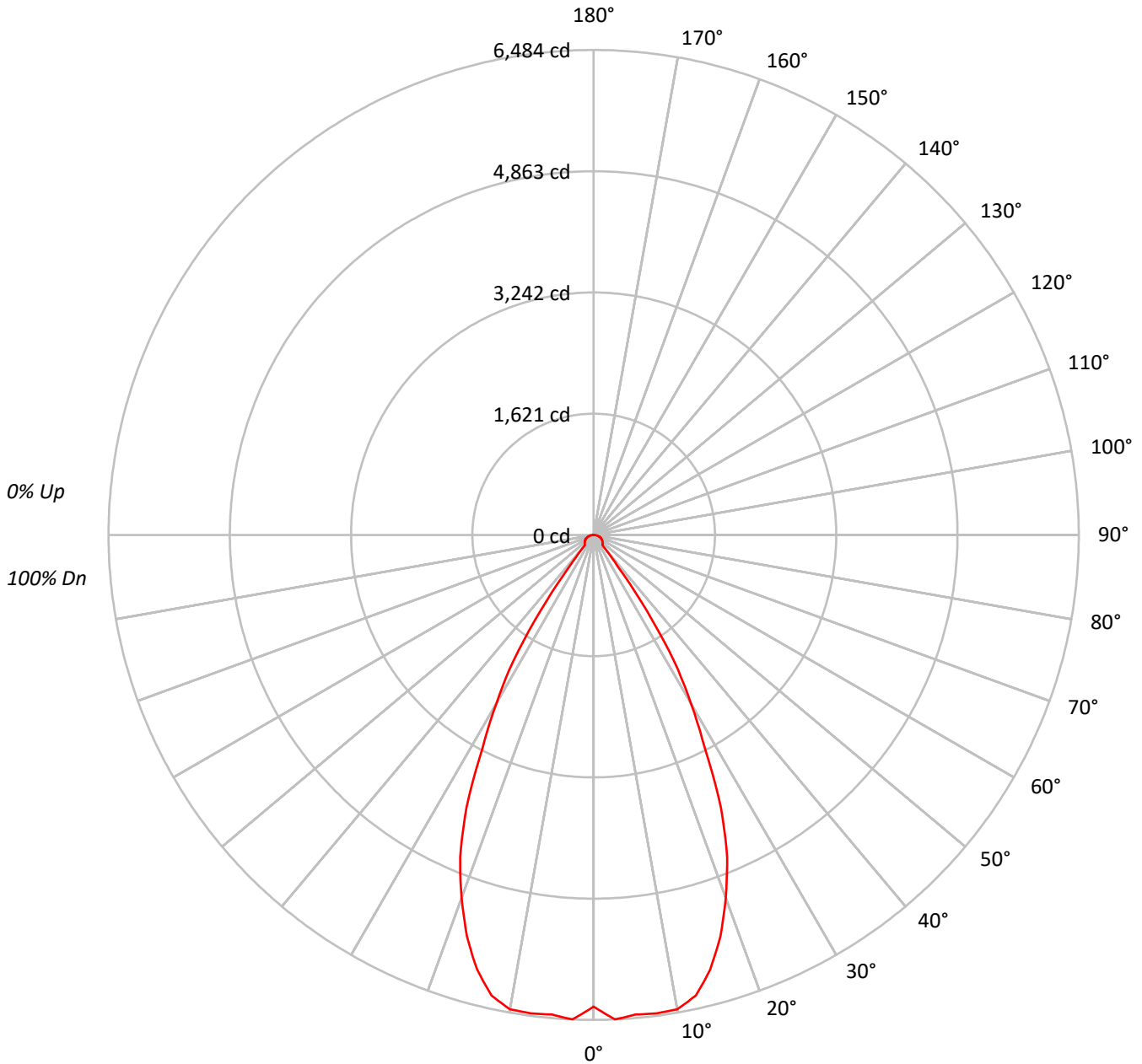
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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
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°	689075
5°	706020
10°	714550
15°	680704
20°	600177
25°	485442
30°	328353
35°	164541
40°	26686
45°	26129
50°	26653
55°	27050
60°	27796
65°	28439
70°	29103
75°	29466
80°	28377
85°	23694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.2	11.6
10°-20°	1664.6	31.3
20°-30°	1790.9	33.7
30°-40°	778.5	14.7
40°-50°	130.8	2.5
50°-60°	127.1	2.4
60°-70°	108.7	2.0
70°-80°	72.8	1.4
80°-90°	21.8	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°	4070.7	76.7
0°-40°	4849.2	91.3
0°-60°	5107.1	96.2
0°-90°	5310.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5310.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6307	
5°	6437	615
15°	6018	1665
25°	4027	1791
35°	1234	778
45°	169	131
55°	142	127
65°	110	109
75°	70	73
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6306.7
2.5°	6484.0
5°	6437.2
7.5°	6452.0
10°	6440.5
12.5°	6307.5
15°	6017.8
17.5°	5628.8
20°	5161.8
22.5°	4661.9
25°	4026.7
27.5°	3220.7
30°	2602.6
32.5°	2005.9
35°	1233.6
37.5°	527.7
40°	187.1
42.5°	172.4
45°	169.1
47.5°	163.3
50°	156.8
52.5°	149.4
55°	142.0
57.5°	134.6
60°	127.2
62.5°	119.0
65°	110.0
67.5°	101.0
70°	91.1
72.5°	80.4
75°	69.8
77.5°	57.5
80°	45.1
82.5°	32.0
85°	18.9
87.5°	6.6
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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