

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P752030

Luminaire Tested: LD4D65D010-EU4DR6555659040-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752030
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: LD4D65D010-EU4DR6555659040-4LBS1B
Description: 4 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: 6028.0 lumens
Efficiency: N/A
Efficacy: 82.8 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

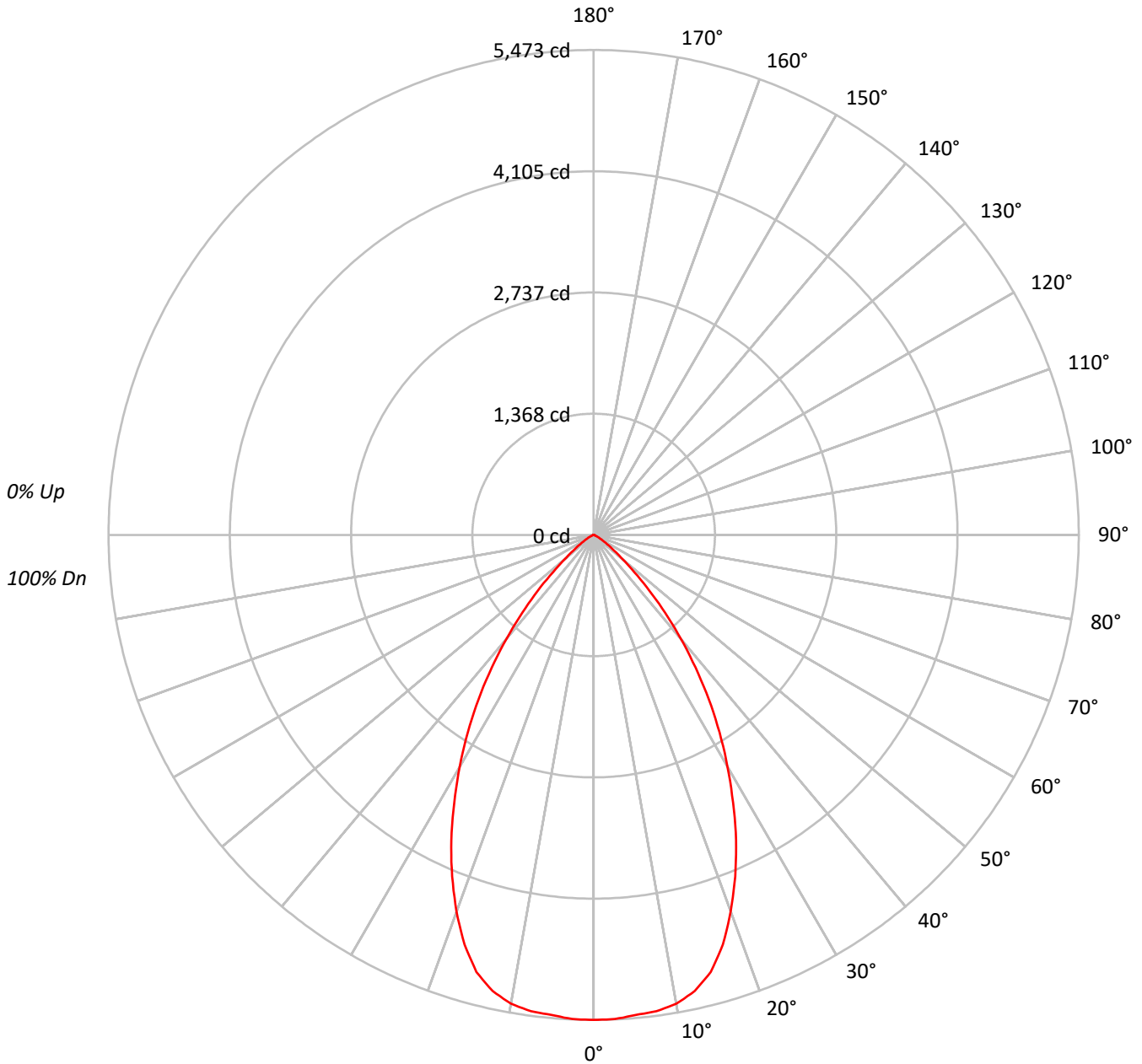
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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			100	
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93	
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85	
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78	
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72	
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66	
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61	
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56	
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52	
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49	
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319656
5°	318849
10°	318580
15°	308760
20°	281083
25°	244949
30°	203726
35°	161426
40°	116511
45°	73609
50°	38370
55°	20395
60°	10711
65°	5887
70°	2476
75°	2730
80°	1883
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 73609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.6	8.6
10°-20°	1417.4	23.5
20°-30°	1732.5	28.7
30°-40°	1405.7	23.3
40°-50°	700.5	11.6
50°-60°	195.4	3.2
60°-70°	44.4	0.7
70°-80°	11.6	0.2
80°-90°	2.9	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°	3667.5	60.8
0°-40°	5073.2	84.2
0°-60°	5969.1	99.0
0°-90°	6028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6028.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5473	
5°	5439	518
15°	5106	1417
25°	3801	1733
35°	2264	1406
45°	891	701
55°	200	195
65°	43	44
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5473.2
2.5°	5469.2
5°	5438.6
7.5°	5420.9
10°	5371.9
12.5°	5272.1
15°	5106.5
17.5°	4847.5
20°	4522.5
22.5°	4171.9
25°	3801.1
27.5°	3404.6
30°	3020.9
32.5°	2642.1
35°	2264.1
37.5°	1886.9
40°	1528.2
42.5°	1192.0
45°	891.2
47.5°	620.9
50°	422.3
52.5°	291.2
55°	200.3
57.5°	135.1
60°	91.7
62.5°	63.5
65°	42.6
67.5°	21.7
70°	14.5
72.5°	13.7
75°	12.1
77.5°	8.0
80°	5.6
82.5°	4.0
85°	2.4
87.5°	1.6
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)