

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: P751993

Luminaire Tested: LD4D65D010-EU4DR6555659027-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751993
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-EU4DR6555659027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6255.6 lumens
Efficiency: N/A
Efficacy: 85.9 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

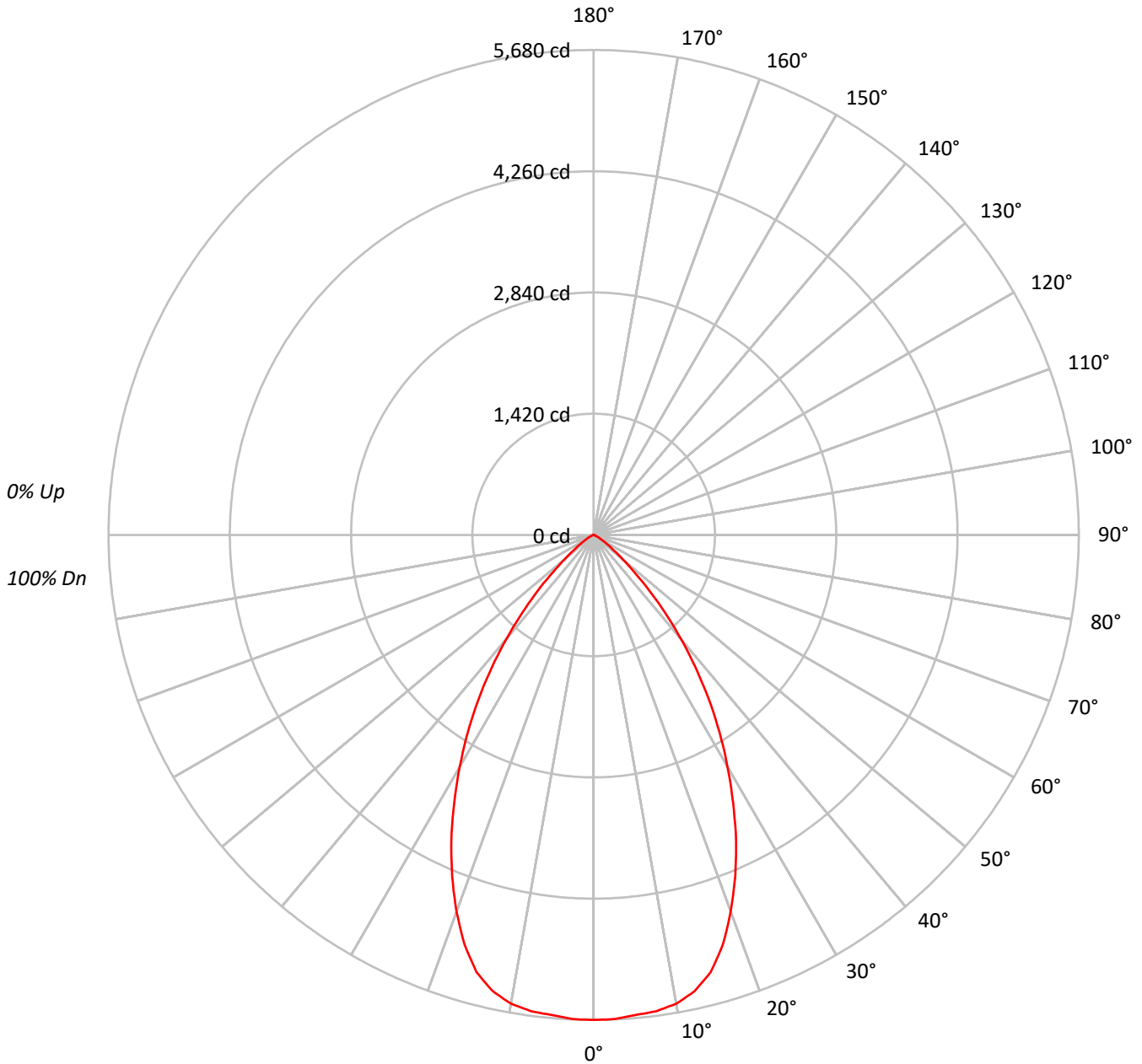
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			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°	331728
5°	330891
10°	330613
15°	320418
20°	291698
25°	254196
30°	211421
35°	167522
40°	120910
45°	76384
50°	39815
55°	21159
60°	11120
65°	6108
70°	2561
75°	2821
80°	1951
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 76384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.1	8.6
10°-20°	1470.9	23.5
20°-30°	1797.9	28.7
30°-40°	1458.8	23.3
40°-50°	727.0	11.6
50°-60°	202.8	3.2
60°-70°	46.1	0.7
70°-80°	12.0	0.2
80°-90°	3.1	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°	3806.0	60.8
0°-40°	5264.8	84.2
0°-60°	6194.5	99.0
0°-90°	6255.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6255.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5680	
5°	5644	537
15°	5299	1471
25°	3945	1798
35°	2350	1459
45°	925	727
55°	208	203
65°	44	46
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5679.9
2.5°	5675.8
5°	5644.0
7.5°	5625.7
10°	5574.8
12.5°	5471.3
15°	5299.3
17.5°	5030.6
20°	4693.3
22.5°	4329.4
25°	3944.6
27.5°	3533.2
30°	3135.0
32.5°	2741.9
35°	2349.6
37.5°	1958.1
40°	1585.9
42.5°	1237.0
45°	924.8
47.5°	644.4
50°	438.2
52.5°	302.2
55°	207.8
57.5°	140.2
60°	95.2
62.5°	65.9
65°	44.2
67.5°	22.5
70°	15.0
72.5°	14.2
75°	12.5
77.5°	8.3
80°	5.8
82.5°	4.2
85°	2.5
87.5°	1.7
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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