

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: P752044

Luminaire Tested: LD4D65D010-EU4DR6555659050-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752044
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-EU4DR6555659050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6538.8 lumens
Efficiency: N/A
Efficacy: 89.8 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

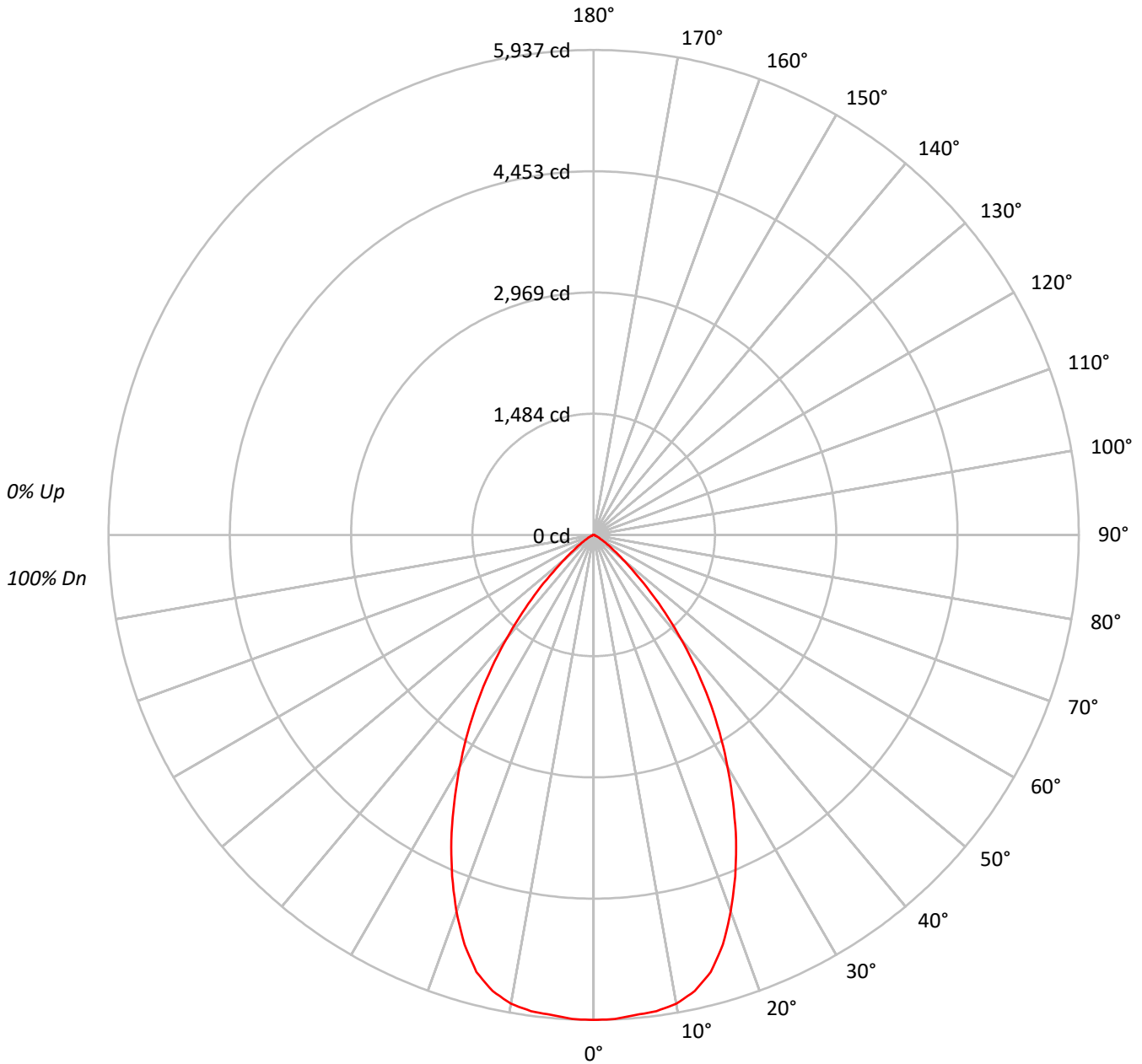
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	346744
5°	345870
10°	345575
15°	334923
20°	304906
25°	265705
30°	220991
35°	175101
40°	126384
45°	79845
50°	41614
55°	22116
60°	11622
65°	6385
70°	2681
75°	2956
80°	2052
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 79845 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.5	8.6
10°-20°	1537.5	23.5
20°-30°	1879.3	28.7
30°-40°	1524.8	23.3
40°-50°	759.9	11.6
50°-60°	211.9	3.2
60°-70°	48.2	0.7
70°-80°	12.5	0.2
80°-90°	3.2	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°	3978.3	60.8
0°-40°	5503.1	84.2
0°-60°	6474.9	99.0
0°-90°	6538.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6538.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5937	
5°	5900	561
15°	5539	1537
25°	4123	1879
35°	2456	1525
45°	967	760
55°	217	212
65°	46	48
75°	13	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5937.0
2.5°	5932.7
5°	5899.5
7.5°	5880.3
10°	5827.1
12.5°	5718.9
15°	5539.2
17.5°	5258.3
20°	4905.8
22.5°	4525.4
25°	4123.2
27.5°	3693.1
30°	3276.9
32.5°	2866.0
35°	2455.9
37.5°	2046.8
40°	1657.7
42.5°	1293.0
45°	966.7
47.5°	673.5
50°	458.0
52.5°	315.8
55°	217.2
57.5°	146.6
60°	99.5
62.5°	68.9
65°	46.2
67.5°	23.6
70°	15.7
72.5°	14.8
75°	13.1
77.5°	8.7
80°	6.1
82.5°	4.4
85°	2.6
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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