

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: P752092

Luminaire Tested: LD4D65D010-EU4DR7055659035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR7055659035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6787.8 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

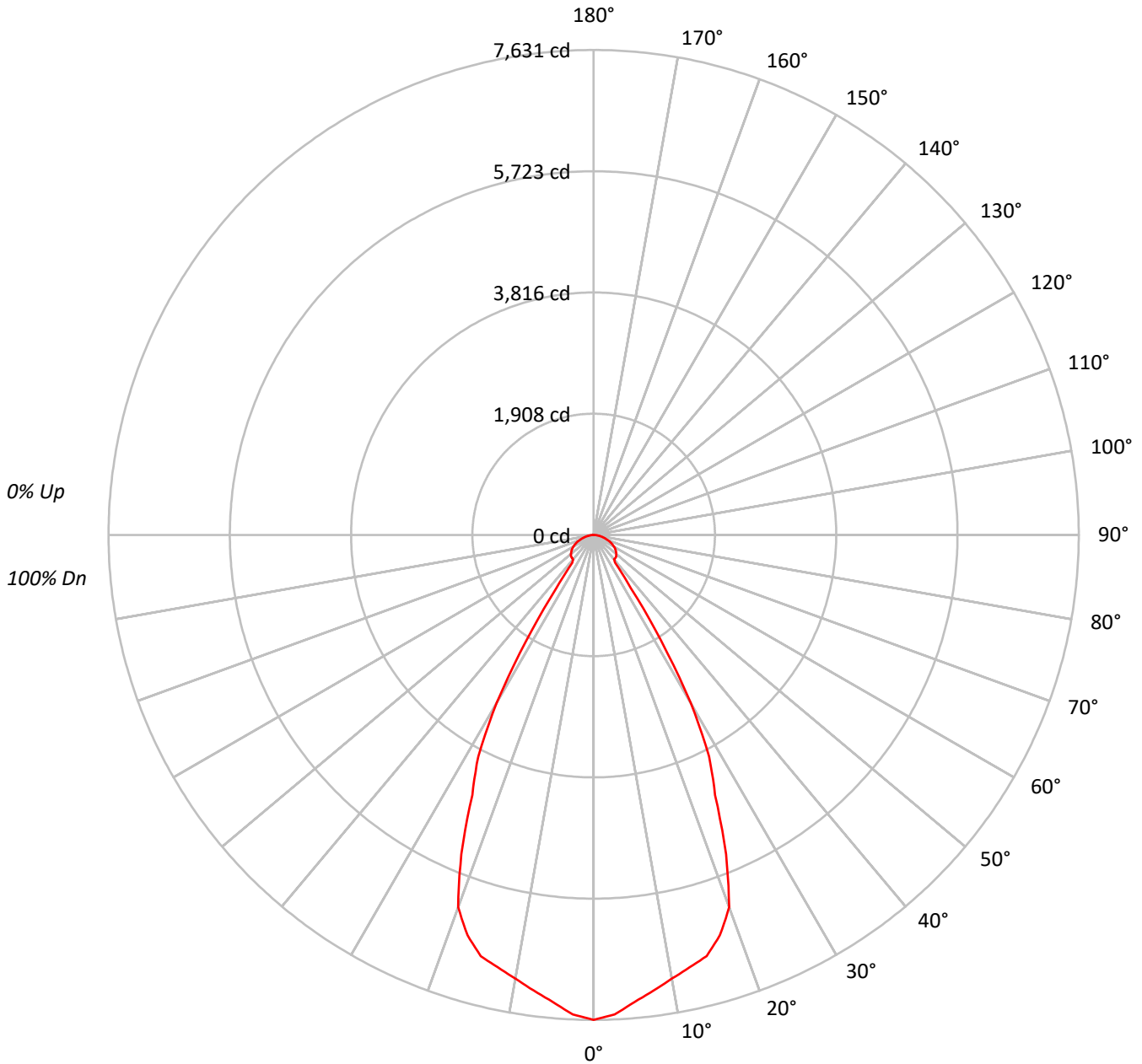
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	833813
5°	809030
10°	786487
15°	776162
20°	724775
25°	544491
30°	384912
35°	136344
40°	71686
45°	76363
50°	79074
55°	80558
60°	81050
65°	79344
70°	74881
75°	69359
80°	61599
85°	50020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 81076 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.8	10.3
10°-20°	1908.4	28.1
20°-30°	2101.9	31.0
30°-40°	803.1	11.8
40°-50°	379.2	5.6
50°-60°	377.0	5.6
60°-70°	301.8	4.4
70°-80°	173.5	2.6
80°-90°	47.2	0.7
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°	4706.1	69.3
0°-40°	5509.1	81.2
0°-60°	6265.3	92.3
0°-90°	6787.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6787.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7631	
5°	7376	696
15°	6862	1908
25°	4516	2102
35°	1022	803
45°	494	379
55°	423	377
65°	307	302
75°	164	173
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7631.4
2.5°	7551.6
5°	7376.4
7.5°	7230.2
10°	7088.9
12.5°	6969.3
15°	6861.7
17.5°	6602.0
20°	6233.4
22.5°	5438.4
25°	4516.5
27.5°	3931.7
30°	3050.9
32.5°	1970.7
35°	1022.2
37.5°	552.2
40°	502.6
42.5°	499.0
45°	494.2
47.5°	483.3
50°	465.2
52.5°	444.6
55°	422.9
57.5°	398.7
60°	370.9
62.5°	339.5
65°	306.9
67.5°	270.7
70°	234.4
72.5°	198.2
75°	164.3
77.5°	129.3
80°	97.9
82.5°	68.9
85°	39.9
87.5°	15.7
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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(END OF REPORT)