

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: P752066

Luminaire Tested: LD4D65D010-EU4DR7055659027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752066
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-EU4DR7055659027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6520.0 lumens
Efficiency: N/A
Efficacy: 89.6 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

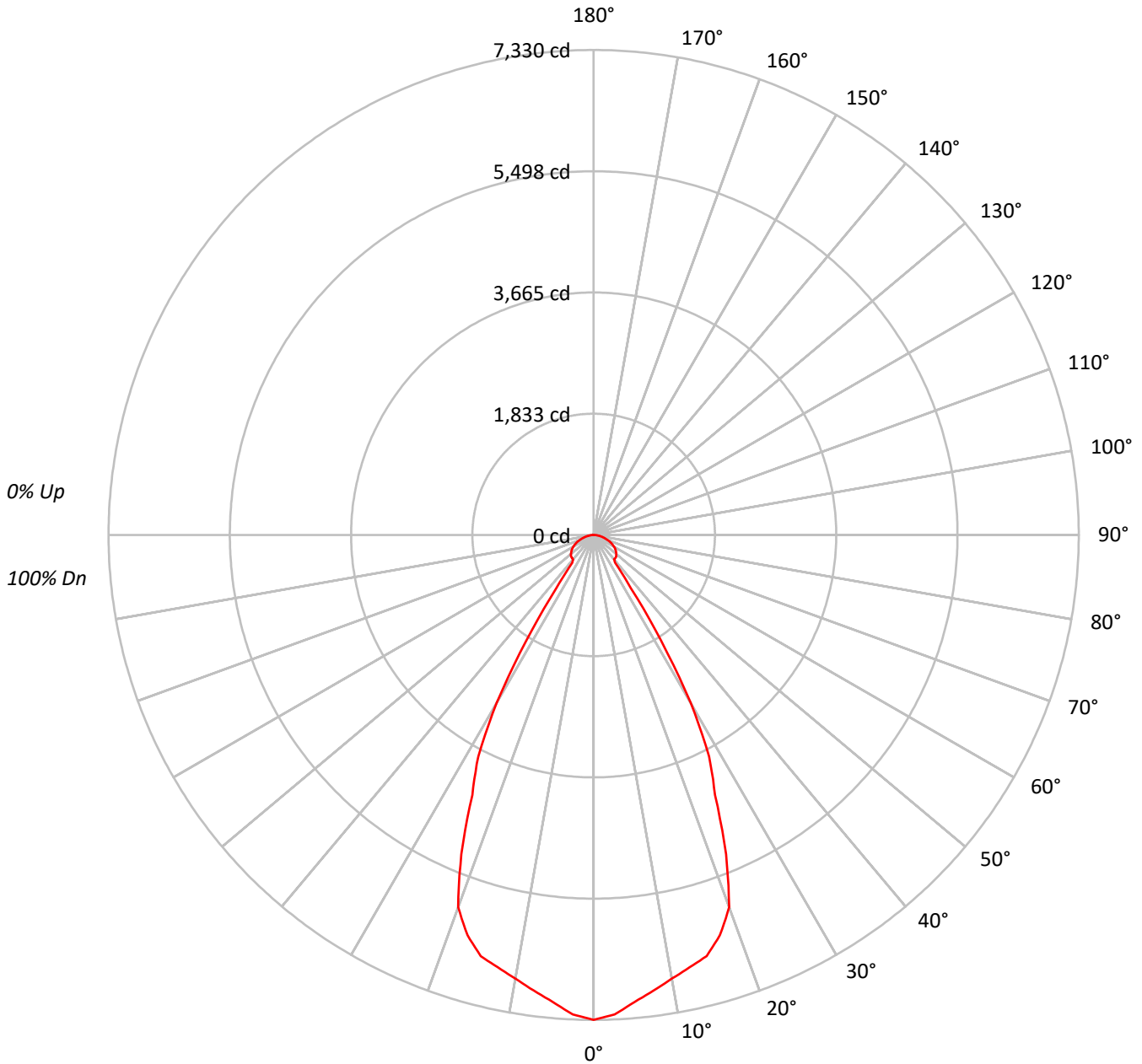
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
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°	800914
5°	777113
10°	755455
15°	745541
20°	696184
25°	523008
30°	369722
35°	130969
40°	68862
45°	73350
50°	75947
55°	77377
60°	77859
65°	76216
70°	71942
75°	66615
80°	59146
85°	48014

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 77884 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.3	10.3
10°-20°	1833.1	28.1
20°-30°	2019.0	31.0
30°-40°	771.4	11.8
40°-50°	364.2	5.6
50°-60°	362.1	5.6
60°-70°	289.9	4.4
70°-80°	166.6	2.6
80°-90°	45.3	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°	4520.4	69.3
0°-40°	5291.8	81.2
0°-60°	6018.1	92.3
0°-90°	6520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6520.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7330	
5°	7085	668
15°	6591	1833
25°	4338	2019
35°	982	771
45°	475	364
55°	406	362
65°	295	290
75°	158	167
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7330.3
2.5°	7253.7
5°	7085.4
7.5°	6945.0
10°	6809.2
12.5°	6694.3
15°	6591.0
17.5°	6341.5
20°	5987.5
22.5°	5223.8
25°	4338.3
27.5°	3776.6
30°	2930.5
32.5°	1892.9
35°	981.9
37.5°	530.4
40°	482.8
42.5°	479.3
45°	474.7
47.5°	464.2
50°	446.8
52.5°	427.1
55°	406.2
57.5°	383.0
60°	356.3
62.5°	326.1
65°	294.8
67.5°	260.0
70°	225.2
72.5°	190.3
75°	157.8
77.5°	124.2
80°	94.0
82.5°	66.2
85°	38.3
87.5°	15.1
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)