

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: P751437

Luminaire Tested: LD4D65D010-EU4DR3055659024-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR3055659024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

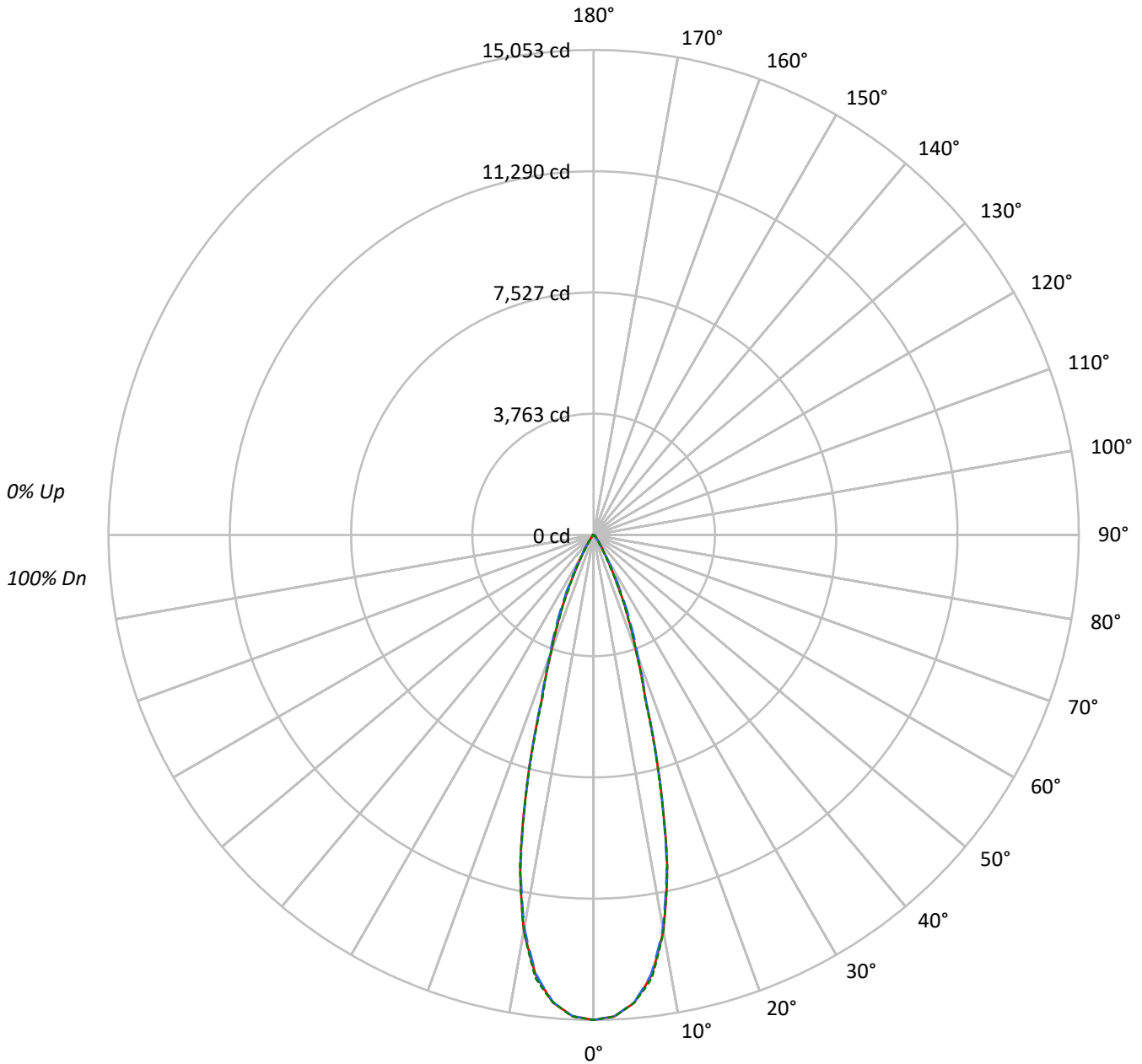
Lumens per Lamp: N/A
Luminaire Lumens: 4681.4 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): 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



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1152215	1152215	1152215
5°	1119136	1117830	1119198
10°	969345	962505	969112
15°	632451	629051	625889
20°	314484	326287	314069
25°	158415	178642	155172
30°	63425	69108	55258
35°	29416	28173	23622
40°	12700	14109	11960
45°	8963	11117	9039
50°	3084	8097	3251
55°	1775	3350	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11117 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1323.7	28.3
10°-20°	2131.8	45.5
20°-30°	921.2	19.7
30°-40°	210.0	4.5
40°-50°	72.1	1.5
50°-60°	17.6	0.4
60°-70°	4.6	0.1
70°-80°	0.5	0.0
80°-90°	0.0	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°	4376.7	93.5
0°-40°	4586.7	98.0
0°-60°	4676.4	99.9
0°-90°	4681.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4681.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15053	15053	15053	15053	15053	
5°	14565	14551	14548	14579	14566	1325
15°	7981	7885	7938	7912	7898	2137
25°	1876	1947	2115	1897	1837	898
35°	315	322	302	299	253	214
45°	83	103	103	103	84	59
55°	13	14	25	15	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15053.1	15053.1	15053.1	15053.1	15053.1
2.5°	14953.3	14943.0	14948.9	14956.3	14959.3
5°	14565.3	14551.3	14548.3	14578.6	14566.1
7.5°	13782.7	13762.7	13732.4	13801.2	13865.5
10°	12471.6	12449.4	12383.6	12416.2	12468.6
12.5°	10536.0	10464.3	10462.8	10566.3	10552.3
15°	7981.1	7885.0	7938.2	7912.3	7898.3
17.5°	5367.0	5330.1	5401.0	5379.6	5287.2
20°	3860.8	3870.4	4005.7	3937.7	3855.7
22.5°	2817.3	2852.0	3012.4	2837.2	2772.9
25°	1875.7	1946.7	2115.2	1897.2	1837.3
27.5°	1153.7	1186.2	1356.9	1138.9	1106.4
30°	717.6	701.4	781.9	671.1	625.2
32.5°	470.8	450.1	476.0	427.2	390.2
35°	314.8	321.5	301.5	299.3	252.8
37.5°	196.6	226.2	199.5	212.8	162.6
40°	127.1	164.1	141.2	155.9	119.7
42.5°	104.2	126.4	116.0	123.4	106.4
45°	82.8	102.7	102.7	102.7	83.5
47.5°	45.8	68.7	87.9	70.2	48.8
50°	25.9	34.7	68.0	36.2	27.3
52.5°	17.7	20.0	46.6	20.7	18.5
55°	13.3	14.0	25.1	14.8	14.0
57.5°	10.3	11.1	13.3	11.1	10.3
60°	8.1	8.1	9.6	8.9	8.1
62.5°	5.9	5.9	6.7	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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