

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: P750238

Luminaire Tested: LD4D55D010-EU4DR5055659040-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR5055659040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6635.9 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

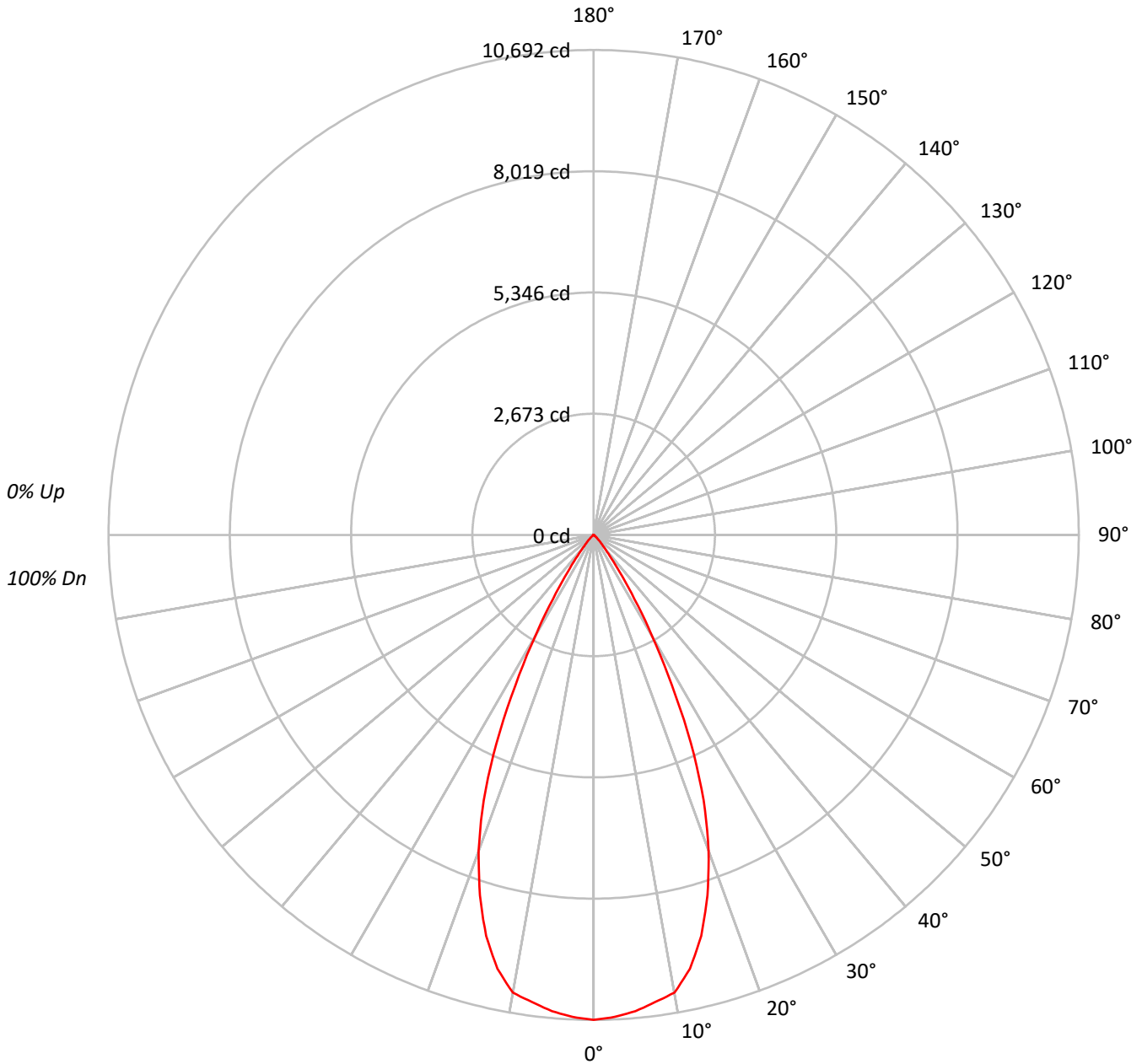
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					70					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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95								
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90								
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85								
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80								
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76								
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72								
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69								
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65								
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62								
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1168216
5°	1155974
10°	1136933
15°	1035274
20°	861466
25°	611508
30°	323672
35°	131902
40°	48993
45°	22421
50°	9196
55°	4800
60°	2360
65°	698
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.2	15.0
10°-20°	2517.7	37.9
20°-30°	2261.5	34.1
30°-40°	708.1	10.7
40°-50°	124.0	1.9
50°-60°	24.7	0.4
60°-70°	3.7	0.1
70°-80°	0.0	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°	5775.4	87.0
0°-40°	6483.4	97.7
0°-60°	6632.1	99.9
0°-90°	6635.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6635.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10692	
5°	10540	996
15°	9152	2518
25°	5072	2262
35°	989	708
45°	145	124
55°	25	25
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10692.0
2.5°	10638.8
5°	10539.7
7.5°	10388.2
10°	10247.6
12.5°	9796.9
15°	9152.4
17.5°	8333.9
20°	7409.0
22.5°	6339.0
25°	5072.4
27.5°	3729.3
30°	2565.5
32.5°	1670.4
35°	988.9
37.5°	567.9
40°	343.5
42.5°	223.6
45°	145.1
47.5°	88.3
50°	54.1
52.5°	37.0
55°	25.2
57.5°	17.1
60°	10.8
62.5°	6.3
65°	2.7
67.5°	0.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)