

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: P750403

Luminaire Tested: LD4D55D010-EU4DR6055659050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR6055659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6137.8 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

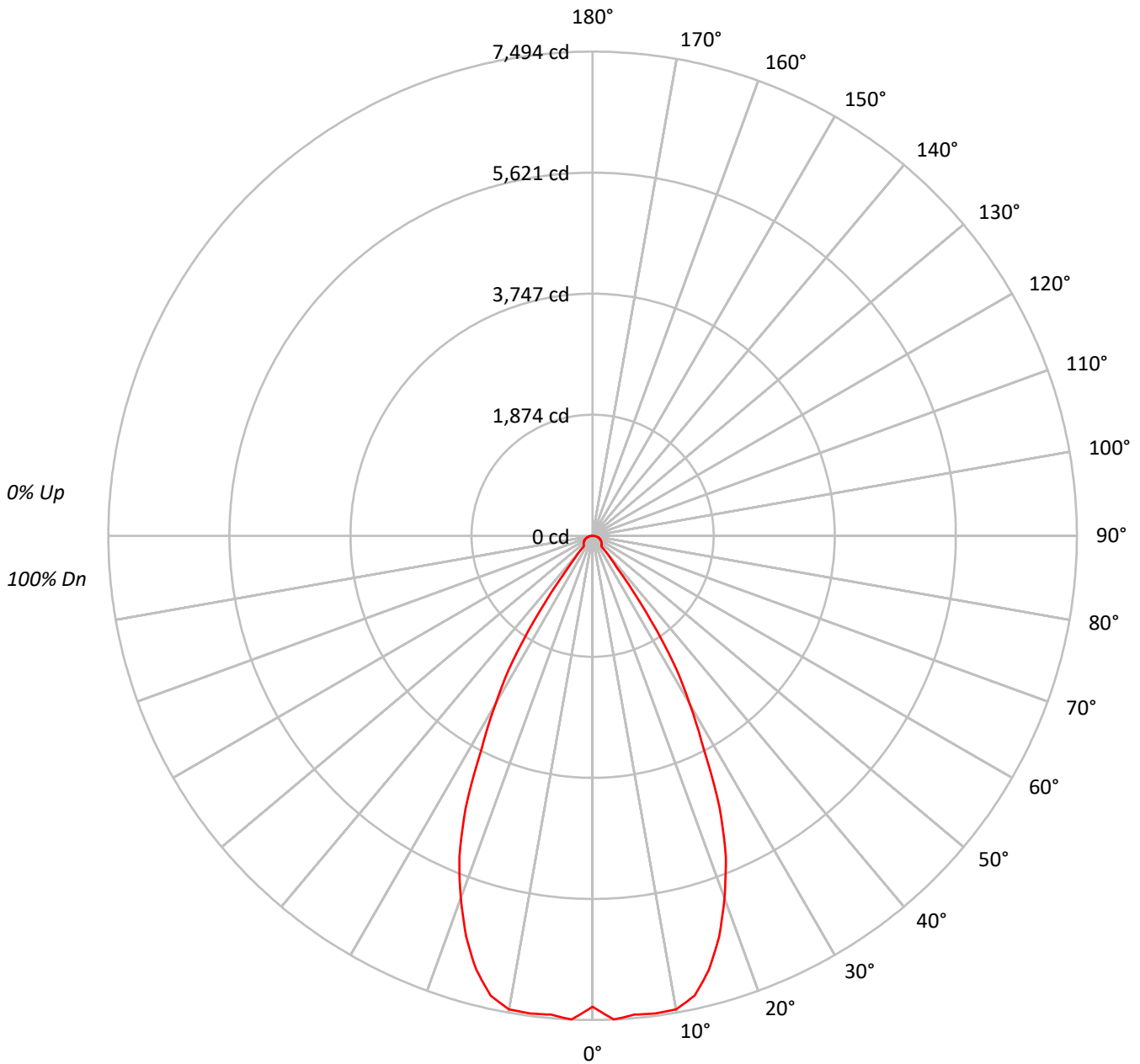
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	796445
5°	816027
10°	825884
15°	786772
20°	693684
25°	561079
30°	379525
35°	190177
40°	30851
45°	30193
50°	30800
55°	31259
60°	32123
65°	32860
70°	33639
75°	34025
80°	32845
85°	27329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34025 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.1	11.6
10°-20°	1923.9	31.3
20°-30°	2070.0	33.7
30°-40°	899.8	14.7
40°-50°	151.1	2.5
50°-60°	147.0	2.4
60°-70°	125.7	2.0
70°-80°	84.1	1.4
80°-90°	25.2	0.4
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°	4705.0	76.7
0°-40°	5604.8	91.3
0°-60°	5902.9	96.2
0°-90°	6137.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6137.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7289	
5°	7440	711
15°	6956	1924
25°	4654	2070
35°	1426	900
45°	195	151
55°	164	147
65°	127	126
75°	81	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7289.4
2.5°	7494.3
5°	7440.2
7.5°	7457.3
10°	7444.0
12.5°	7290.4
15°	6955.5
17.5°	6505.8
20°	5966.0
22.5°	5388.3
25°	4654.1
27.5°	3722.5
30°	3008.2
32.5°	2318.5
35°	1425.8
37.5°	610.0
40°	216.3
42.5°	199.2
45°	195.4
47.5°	188.8
50°	181.2
52.5°	172.7
55°	164.1
57.5°	155.6
60°	147.0
62.5°	137.6
65°	127.1
67.5°	116.7
70°	105.3
72.5°	93.0
75°	80.6
77.5°	66.4
80°	52.2
82.5°	37.0
85°	21.8
87.5°	7.6
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)