

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: P768288

Luminaire Tested: LD6D55D010-EU6DR5055659035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR5055659035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7184.7 lumens
Efficiency: N/A
Efficacy: 123.4 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

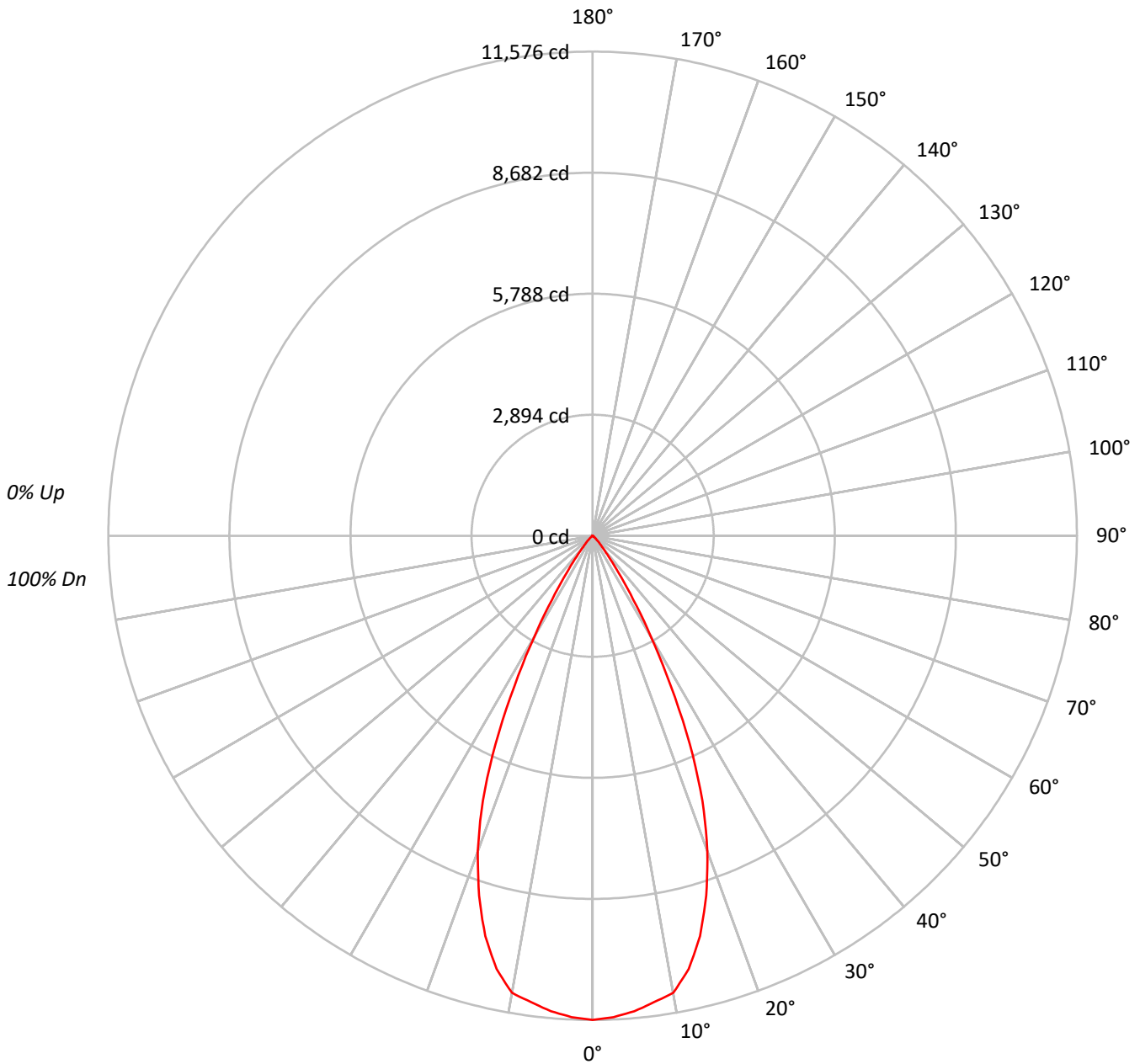
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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				
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°	1264846
5°	1251592
10°	1230971
15°	1120902
20°	932718
25°	662093
30°	350444
35°	142813
40°	53044
45°	24275
50°	9961
55°	5200
60°	2557
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24275 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1078.6	15.0
10°-20°	2725.9	37.9
20°-30°	2448.6	34.1
30°-40°	766.6	10.7
40°-50°	134.2	1.9
50°-60°	26.7	0.4
60°-70°	4.0	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°	6253.1	87.0
0°-40°	7019.7	97.7
0°-60°	7180.7	99.9
0°-90°	7184.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7184.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11576	
5°	11412	###
15°	9909	2726
25°	5492	2449
35°	1071	767
45°	157	134
55°	27	27
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11576.4
2.5°	11518.8
5°	11411.5
7.5°	11247.5
10°	11095.2
12.5°	10607.2
15°	9909.4
17.5°	9023.2
20°	8021.8
22.5°	6863.3
25°	5492.0
27.5°	4037.7
30°	2777.7
32.5°	1808.5
35°	1070.7
37.5°	614.9
40°	371.9
42.5°	242.0
45°	157.1
47.5°	95.6
50°	58.6
52.5°	40.0
55°	27.3
57.5°	18.5
60°	11.7
62.5°	6.8
65°	2.9
67.5°	1.0
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)