

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: P790610

Luminaire Tested: LER6D25D010-EC6DR1515309024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR1515309024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2419.9 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

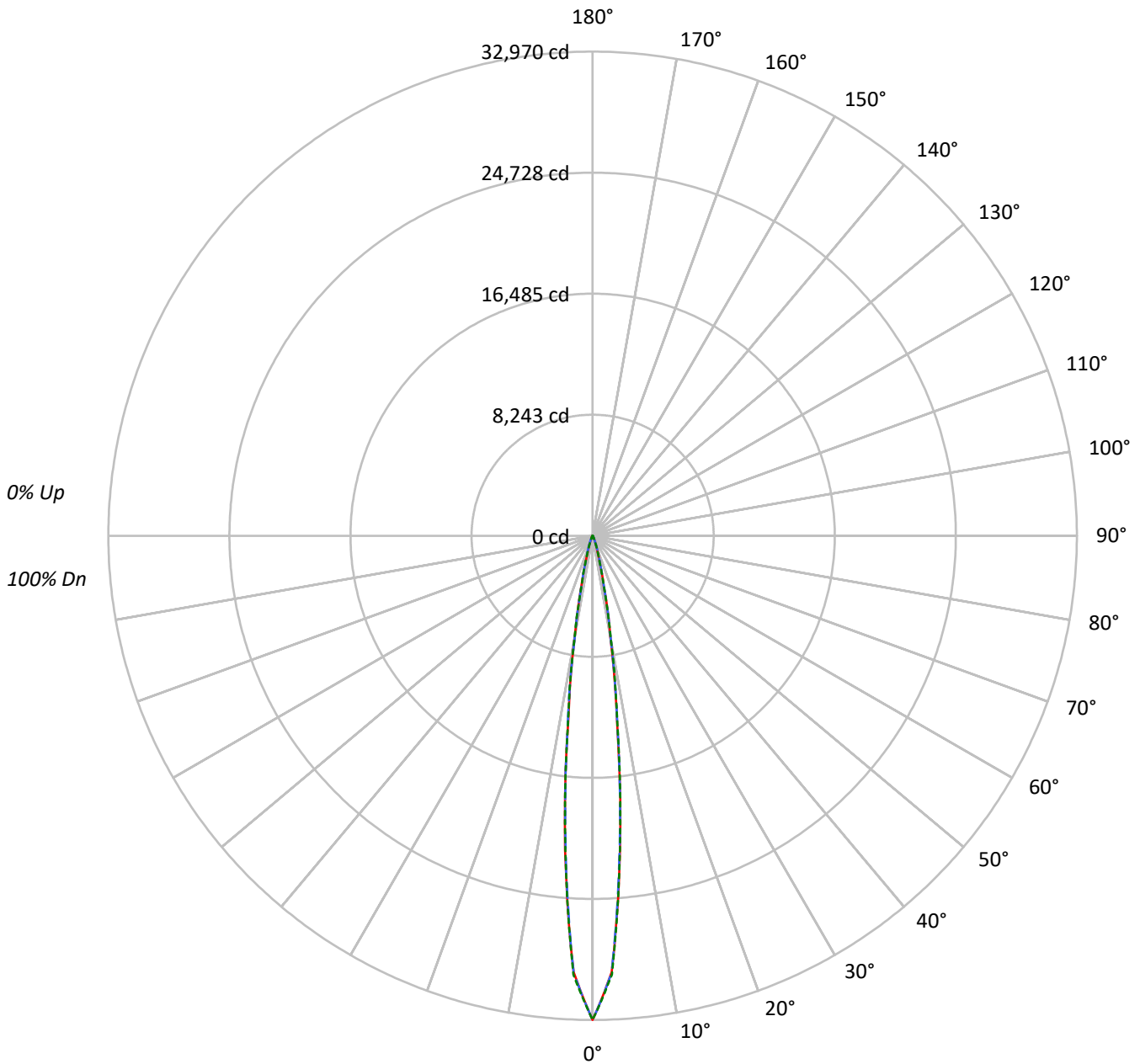
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				100															
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98				98															
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96				96															
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94				94															
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93				93															
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92				92															
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90				90															
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89				89															
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88				88															
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87				87															
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86				86															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3709839	3709839	3709839
5°	2180072	2151850	2168873
10°	650652	655206	665236
15°	161840	164993	159903
20°	48423	56073	49454
25°	17068	21750	17286
30°	6268	8259	6372
35°	3144	3551	3043
40°	1981	2180	1981
45°	1463	1561	1463
50°	1161	1161	1161
55°	974	974	974
60°	786	786	786
65°	600	600	600
70°	512	512	512
75°	317	317	423
80°	221	221	221
85°	116	116	116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1561 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1569.5	64.9
10°-20°	645.6	26.7
20°-30°	128.2	5.3
30°-40°	32.0	1.3
40°-50°	16.8	0.7
50°-60°	12.5	0.5
60°-70°	8.8	0.4
70°-80°	5.0	0.2
80°-90°	1.5	0.1
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°	2343.2	96.8
0°-40°	2375.3	98.2
0°-60°	2404.6	99.4
0°-90°	2419.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2419.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32970	32970	32970	32970	32970	
5°	21451	21231	21174	21320	21341	1566
15°	1863	1898	1900	1866	1841	639
25°	219	248	279	247	222	115
35°	43	46	49	46	42	29
45°	21	21	22	21	21	16
55°	14	14	14	14	14	13
65°	8	8	8	8	8	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	32970.5	32970.5	32970.5	32970.5	32970.5
2.5°	29740.7	29765.9	29775.6	29804.9	29913.8
5°	21451.3	21230.8	21173.6	21320.1	21341.1
7.5°	12706.9	12751.6	12914.9	12951.2	12820.0
10°	6973.2	7030.4	7022.0	7072.3	7129.5
12.5°	3566.2	3521.5	3507.5	3564.8	3485.2
15°	1863.3	1898.2	1899.6	1866.1	1841.0
17.5°	1002.2	1042.6	1109.6	1055.2	971.4
20°	591.8	628.1	685.3	640.7	604.4
22.5°	365.7	395.0	435.5	400.6	371.3
25°	219.1	248.4	279.2	247.0	221.9
27.5°	129.8	154.9	174.5	153.5	128.4
30°	83.7	97.7	110.3	96.3	85.1
32.5°	58.6	64.2	69.8	64.2	58.6
35°	43.3	46.1	48.9	46.1	41.9
37.5°	33.5	36.3	37.7	34.9	32.1
40°	27.9	29.3	30.7	29.3	27.9
42.5°	23.7	25.1	25.1	25.1	23.7
45°	20.9	20.9	22.3	20.9	20.9
47.5°	18.1	18.1	19.5	18.1	18.1
50°	16.7	16.7	16.7	16.7	16.7
52.5°	15.4	15.4	15.4	15.4	15.4
55°	14.0	14.0	14.0	14.0	14.0
57.5°	12.6	12.6	12.6	12.6	12.6
60°	11.2	11.2	11.2	11.2	11.2
62.5°	9.8	9.8	9.8	9.8	9.8
65°	8.4	8.4	8.4	8.4	8.4
67.5°	8.4	8.4	8.4	8.4	8.4
70°	7.0	7.0	7.0	7.0	7.0
72.5°	5.6	5.6	5.6	5.6	5.6
75°	4.2	4.2	4.2	4.2	5.6
77.5°	4.2	4.2	4.2	4.2	4.2
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
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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