

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: P769538

Luminaire Tested: LD6D65D010-EU6DR3055659035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR3055659035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7818.8 lumens
Efficiency: N/A
Efficacy: 107.4 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

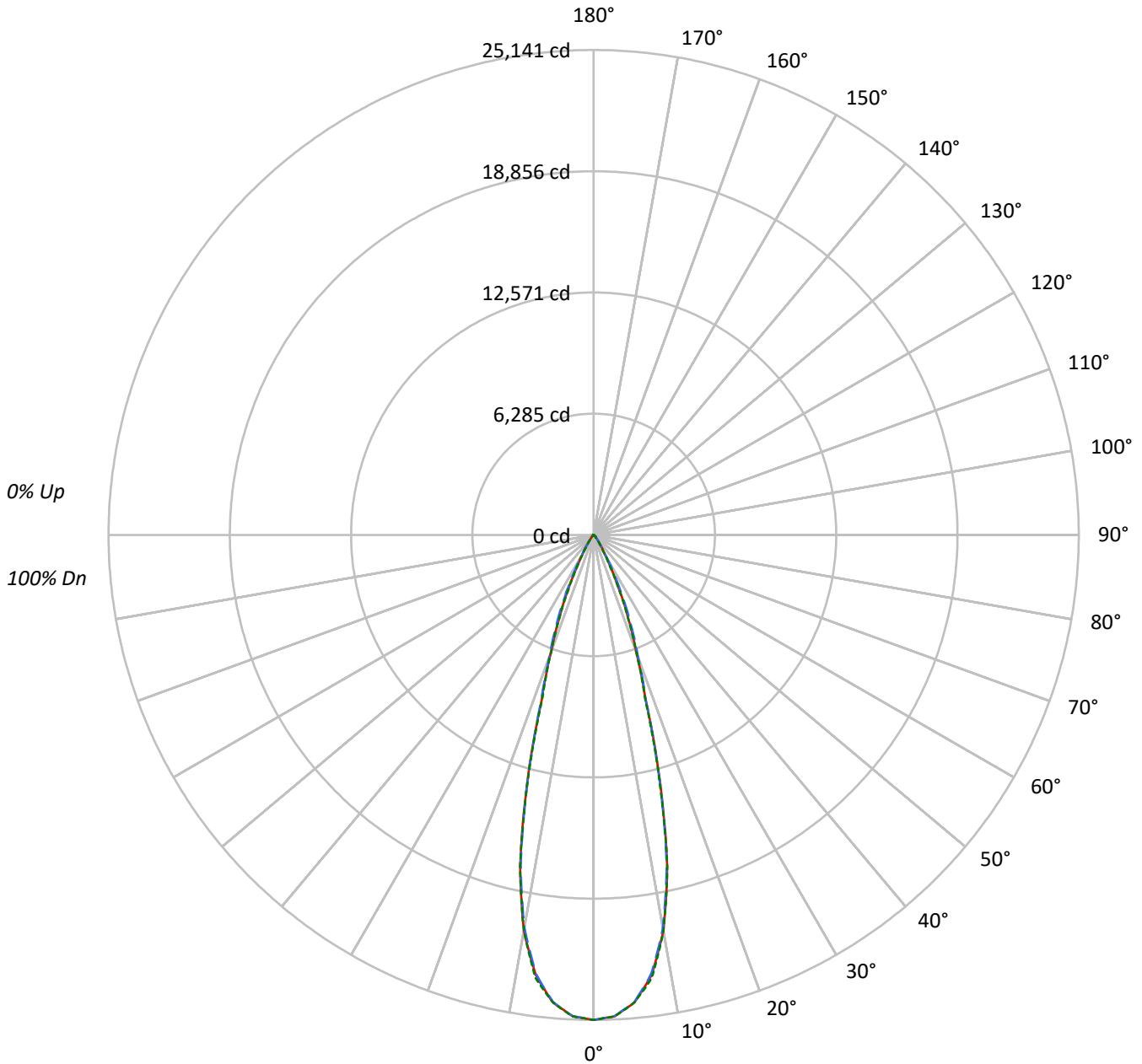
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1924408	1924408	1924408
5°	1869161	1866979	1869261
10°	1618980	1607562	1618599
15°	1056301	1050627	1045349
20°	525251	544955	524543
25°	264585	298359	259163
30°	105938	115430	92300
35°	49132	47058	39451
40°	21213	23561	19984
45°	14960	18575	15101
50°	5144	13528	5442
55°	2963	5605	3136
60°	2082	2449	2082
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18575 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2210.8	28.3
10°-20°	3560.5	45.5
20°-30°	1538.6	19.7
30°-40°	350.7	4.5
40°-50°	120.4	1.5
50°-60°	29.4	0.4
60°-70°	7.6	0.1
70°-80°	0.8	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°	7309.9	93.5
0°-40°	7660.6	98.0
0°-60°	7810.4	99.9
0°-90°	7818.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7818.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25141	25141	25141	25141	25141	
5°	24327	24303	24298	24349	24328	2213
15°	13330	13169	13258	13215	13192	3569
25°	3133	3251	3533	3169	3069	1500
35°	526	537	504	500	422	357
45°	138	172	172	172	140	98
55°	22	24	42	25	24	22
65°	7	7	7	7	7	7
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°	25141.4	25141.4	25141.4	25141.4	25141.4
2.5°	24974.8	24957.5	24967.4	24979.7	24984.6
5°	24326.7	24303.3	24298.3	24348.9	24328.0
7.5°	23019.5	22986.2	22935.6	23050.4	23157.8
10°	20829.8	20792.8	20682.9	20737.2	20824.9
12.5°	17597.0	17477.3	17474.8	17647.6	17624.2
15°	13329.8	13169.4	13258.2	13215.0	13191.6
17.5°	8963.9	8902.2	9020.7	8984.9	8830.6
20°	6448.3	6464.3	6690.2	6576.7	6439.6
22.5°	4705.4	4763.4	5031.2	4738.7	4631.3
25°	3132.8	3251.3	3532.7	3168.6	3068.6
27.5°	1926.8	1981.1	2266.3	1902.1	1847.8
30°	1198.6	1171.4	1306.0	1120.8	1044.3
32.5°	786.3	751.7	794.9	713.5	651.7
35°	525.8	536.9	503.6	499.9	422.2
37.5°	328.3	377.7	333.3	355.5	271.6
40°	212.3	274.0	235.8	260.4	200.0
42.5°	174.0	211.1	193.8	206.1	177.7
45°	138.2	171.6	171.6	171.6	139.5
47.5°	76.5	114.8	146.9	117.3	81.5
50°	43.2	58.0	113.6	60.5	45.7
52.5°	29.6	33.3	77.8	34.6	30.9
55°	22.2	23.5	42.0	24.7	23.5
57.5°	17.3	18.5	22.2	18.5	17.3
60°	13.6	13.6	16.0	14.8	13.6
62.5°	9.9	9.9	11.1	9.9	9.9
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





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

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