

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: P769527

Luminaire Tested: LD6D65D010-EU6DR3055659030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769527
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-EU6DR3055659030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6501.3 lumens
Efficiency: N/A
Efficacy: 89.3 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

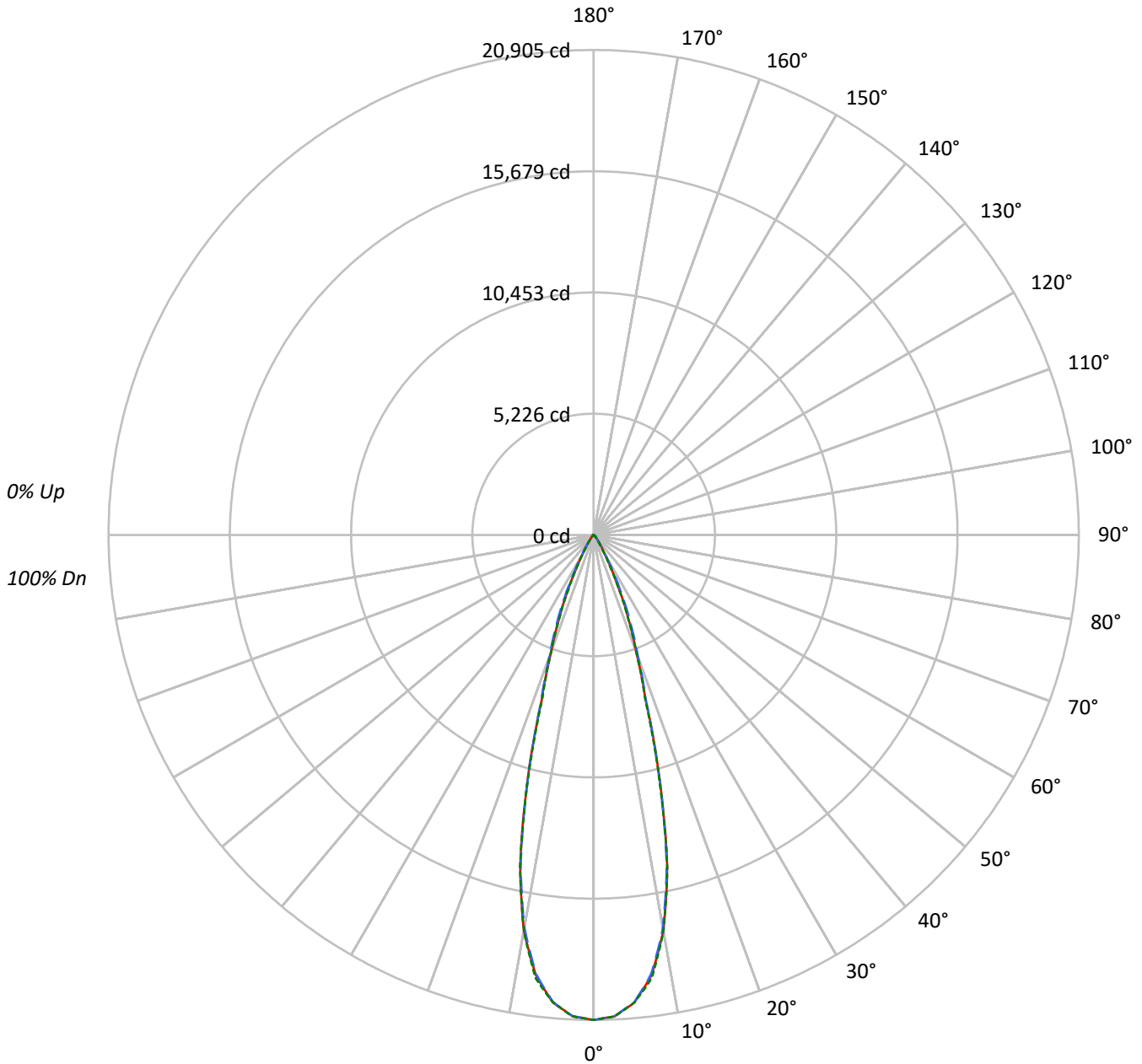
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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																			
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°	1600132	1600132	1600132
5°	1554196	1552382	1554280
10°	1346175	1336677	1345849
15°	878312	873597	869199
20°	436741	453130	436155
25°	220000	248082	215490
30°	88084	95977	76744
35°	40853	39134	32798
40°	17636	19584	16617
45°	12449	15447	12557
50°	4275	11241	4525
55°	2469	4657	2602
60°	1730	2036	1730
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1838.3	28.3
10°-20°	2960.6	45.5
20°-30°	1279.3	19.7
30°-40°	291.6	4.5
40°-50°	100.1	1.5
50°-60°	24.5	0.4
60°-70°	6.3	0.1
70°-80°	0.7	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°	6078.2	93.5
0°-40°	6369.8	98.0
0°-60°	6494.3	99.9
0°-90°	6501.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6501.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20905	20905	20905	20905	20905	
5°	20228	20208	20204	20246	20229	1840
15°	11084	10950	11024	10988	10969	2968
25°	2605	2703	2937	2635	2552	1247
35°	437	446	419	416	351	297
45°	115	143	143	143	116	82
55°	18	20	35	20	20	18
65°	6	6	6	6	6	6
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°	20904.9	20904.9	20904.9	20904.9	20904.9
2.5°	20766.4	20752.0	20760.2	20770.5	20774.6
5°	20227.5	20208.0	20203.9	20246.0	20228.6
7.5°	19140.6	19112.9	19070.8	19166.3	19255.6
10°	17319.9	17289.1	17197.7	17242.9	17315.7
12.5°	14631.8	14532.3	14530.2	14673.9	14654.4
15°	11083.7	10950.3	11024.2	10988.2	10968.7
17.5°	7453.4	7402.1	7500.7	7470.9	7342.6
20°	5361.7	5375.1	5562.9	5468.5	5354.5
22.5°	3912.5	3960.7	4183.5	3940.2	3850.9
25°	2604.9	2703.4	2937.4	2634.7	2551.5
27.5°	1602.2	1647.3	1884.4	1581.6	1536.5
30°	996.6	974.0	1085.9	931.9	868.3
32.5°	653.8	625.1	661.0	593.2	541.9
35°	437.2	446.5	418.8	415.7	351.0
37.5°	273.0	314.1	277.1	295.6	225.8
40°	176.5	227.9	196.0	216.6	166.3
42.5°	144.7	175.5	161.1	171.4	147.8
45°	115.0	142.7	142.7	142.7	116.0
47.5°	63.6	95.5	122.1	97.5	67.7
50°	35.9	48.2	94.4	50.3	38.0
52.5°	24.6	27.7	64.7	28.7	25.7
55°	18.5	19.5	34.9	20.5	19.5
57.5°	14.4	15.4	18.5	15.4	14.4
60°	11.3	11.3	13.3	12.3	11.3
62.5°	8.2	8.2	9.2	8.2	8.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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