

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: P769514

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769514
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-EU6DR3055659027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

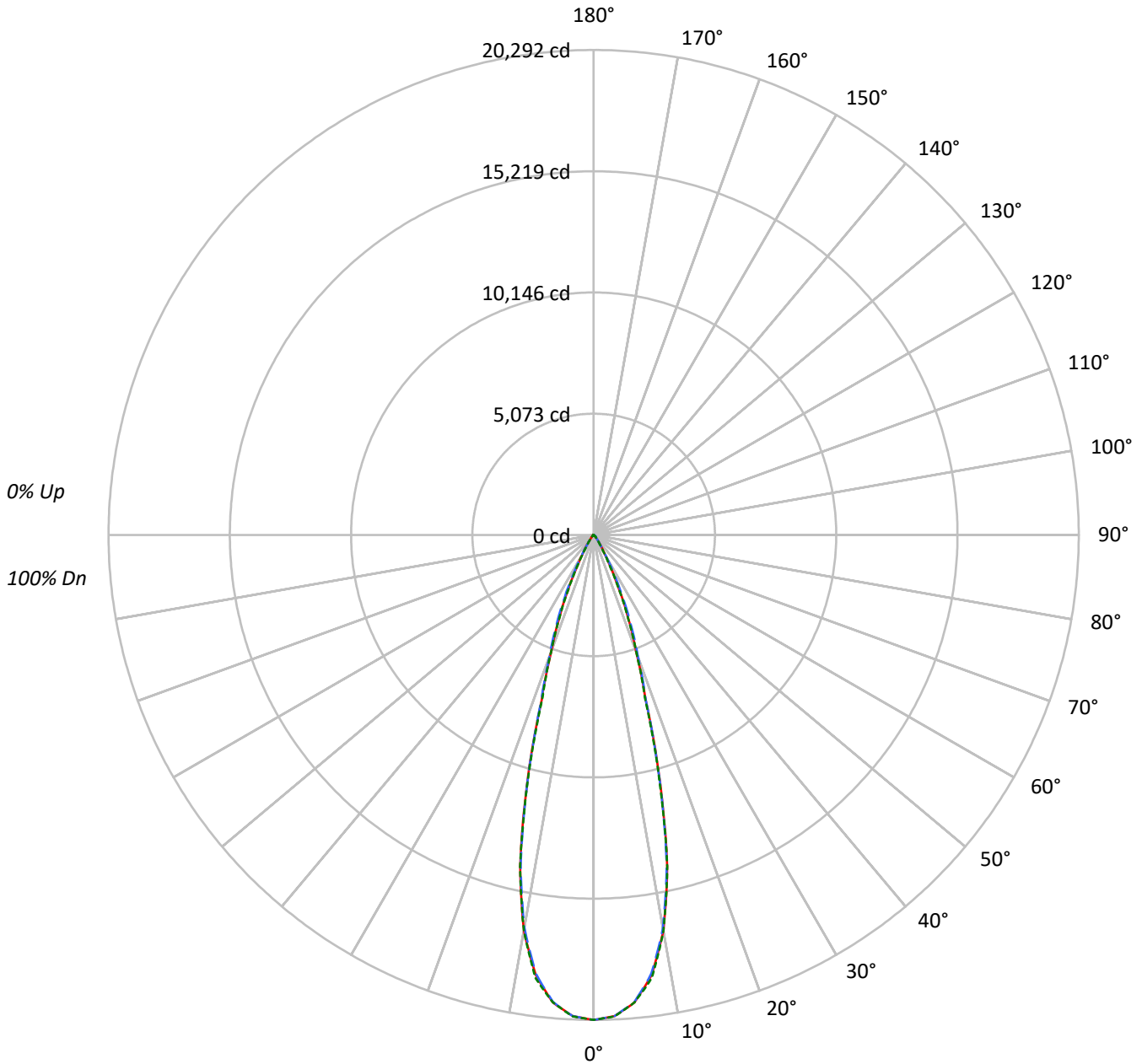
Lumens per Lamp: N/A
Luminaire Lumens: 6310.7 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1553196	1553196	1553196
5°	1508609	1506850	1508686
10°	1306684	1297473	1306373
15°	852550	847969	843706
20°	423928	439837	423366
25°	213548	240810	209173
30°	85503	93157	74491
35°	39657	37984	31836
40°	17126	19015	16127
45°	12081	14992	12189
50°	4156	10920	4394
55°	2389	4524	2522
60°	1684	1990	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1784.3	28.3
10°-20°	2873.7	45.5
20°-30°	1241.8	19.7
30°-40°	283.0	4.5
40°-50°	97.2	1.5
50°-60°	23.7	0.4
60°-70°	6.2	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°	5899.9	93.5
0°-40°	6182.9	98.0
0°-60°	6303.8	99.9
0°-90°	6310.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6310.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20292	20292	20292	20292	20292	
5°	19634	19615	19611	19652	19635	1786
15°	10759	10629	10701	10666	10647	2881
25°	2528	2624	2851	2557	2477	1210
35°	424	433	406	404	341	288
45°	112	138	138	138	113	79
55°	18	19	34	20	19	17
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°	20291.7	20291.7	20291.7	20291.7	20291.7
2.5°	20157.2	20143.3	20151.3	20161.2	20165.2
5°	19634.2	19615.3	19611.3	19652.1	19635.2
7.5°	18579.2	18552.3	18511.4	18604.1	18690.7
10°	16811.8	16781.9	16693.3	16737.1	16807.8
12.5°	14202.6	14106.0	14104.0	14243.5	14224.5
15°	10758.6	10629.0	10700.8	10665.9	10647.0
17.5°	7234.8	7185.0	7280.6	7251.7	7127.2
20°	5204.4	5217.4	5399.7	5308.0	5197.5
22.5°	3797.7	3844.5	4060.7	3824.6	3737.9
25°	2528.5	2624.1	2851.3	2557.4	2476.7
27.5°	1555.2	1599.0	1829.1	1535.2	1491.4
30°	967.4	945.4	1054.0	904.6	842.8
32.5°	634.6	606.7	641.6	575.8	526.0
35°	424.4	433.4	406.5	403.5	340.7
37.5°	265.0	304.9	269.0	286.9	219.2
40°	171.4	221.2	190.3	210.2	161.4
42.5°	140.5	170.4	156.4	166.4	143.5
45°	111.6	138.5	138.5	138.5	112.6
47.5°	61.8	92.7	118.6	94.6	65.8
50°	34.9	46.8	91.7	48.8	36.9
52.5°	23.9	26.9	62.8	27.9	24.9
55°	17.9	18.9	33.9	19.9	18.9
57.5°	13.9	14.9	17.9	14.9	13.9
60°	11.0	11.0	13.0	12.0	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	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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