

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: P771126

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771126
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: LD6D75BD010-EU6DR3070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

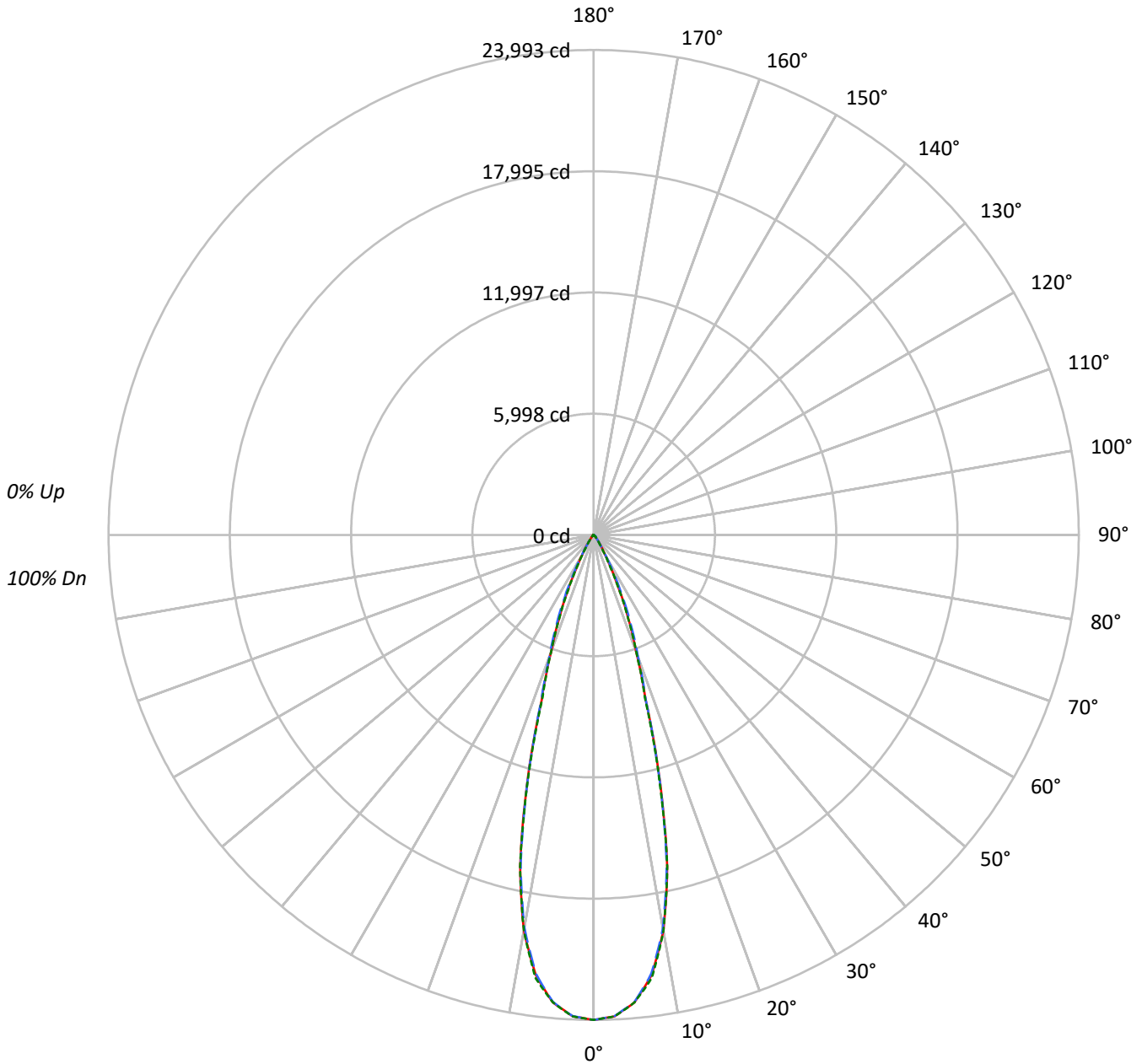
Lumens per Lamp: N/A
Luminaire Lumens: 7461.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	1836536	1836536	1836536
5°	1783819	1781737	1783904
10°	1545056	1534159	1544691
15°	1008073	1002661	997621
20°	501271	520071	500595
25°	252507	284736	247330
30°	101094	110154	88084
35°	46889	44908	37648
40°	20244	22482	19065
45°	14278	17720	14408
50°	4906	12908	5192
55°	2829	5351	2989
60°	1990	2342	1990
65°	1286	1286	1286
70°	783	537	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17720 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2109.9	28.3
10°-20°	3397.9	45.5
20°-30°	1468.3	19.7
30°-40°	334.7	4.5
40°-50°	114.9	1.5
50°-60°	28.1	0.4
60°-70°	7.3	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°	6976.1	93.5
0°-40°	7310.8	98.0
0°-60°	7453.8	99.9
0°-90°	7461.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7461.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23993	23993	23993	23993	23993	
5°	23216	23194	23189	23237	23217	2112
15°	12721	12568	12653	12612	12589	3406
25°	2990	3103	3371	3024	2928	1431
35°	502	512	481	477	403	340
45°	132	164	164	164	133	94
55°	21	22	40	24	22	21
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°	23993.4	23993.4	23993.4	23993.4	23993.4
2.5°	23834.4	23817.9	23827.3	23839.1	23843.8
5°	23216.0	23193.6	23188.9	23237.2	23217.1
7.5°	21968.5	21936.7	21888.4	21997.9	22100.4
10°	19878.7	19843.4	19738.5	19790.3	19874.0
12.5°	16793.5	16679.3	16676.9	16841.8	16819.4
15°	12721.2	12568.0	12652.9	12611.6	12589.3
17.5°	8554.6	8495.7	8608.8	8574.6	8427.4
20°	6153.9	6169.2	6384.7	6276.4	6145.6
22.5°	4490.5	4545.9	4801.5	4522.3	4419.8
25°	2989.8	3102.8	3371.4	3023.9	2928.5
27.5°	1838.9	1890.7	2162.8	1815.3	1763.5
30°	1143.8	1117.9	1246.3	1069.6	996.6
32.5°	750.4	717.4	758.6	680.9	622.0
35°	501.8	512.4	480.6	477.1	402.9
37.5°	313.3	360.5	318.1	339.3	259.2
40°	202.6	261.5	225.0	248.6	190.8
42.5°	166.1	201.4	184.9	196.7	169.6
45°	131.9	163.7	163.7	163.7	133.1
47.5°	73.0	109.6	140.2	111.9	77.7
50°	41.2	55.4	108.4	57.7	43.6
52.5°	28.3	31.8	74.2	33.0	29.4
55°	21.2	22.4	40.1	23.6	22.4
57.5°	16.5	17.7	21.2	17.7	16.5
60°	13.0	13.0	15.3	14.1	13.0
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.4	2.4	2.4	3.5
72.5°	2.4	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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