

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: P771100

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771100
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-EU6DR3070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

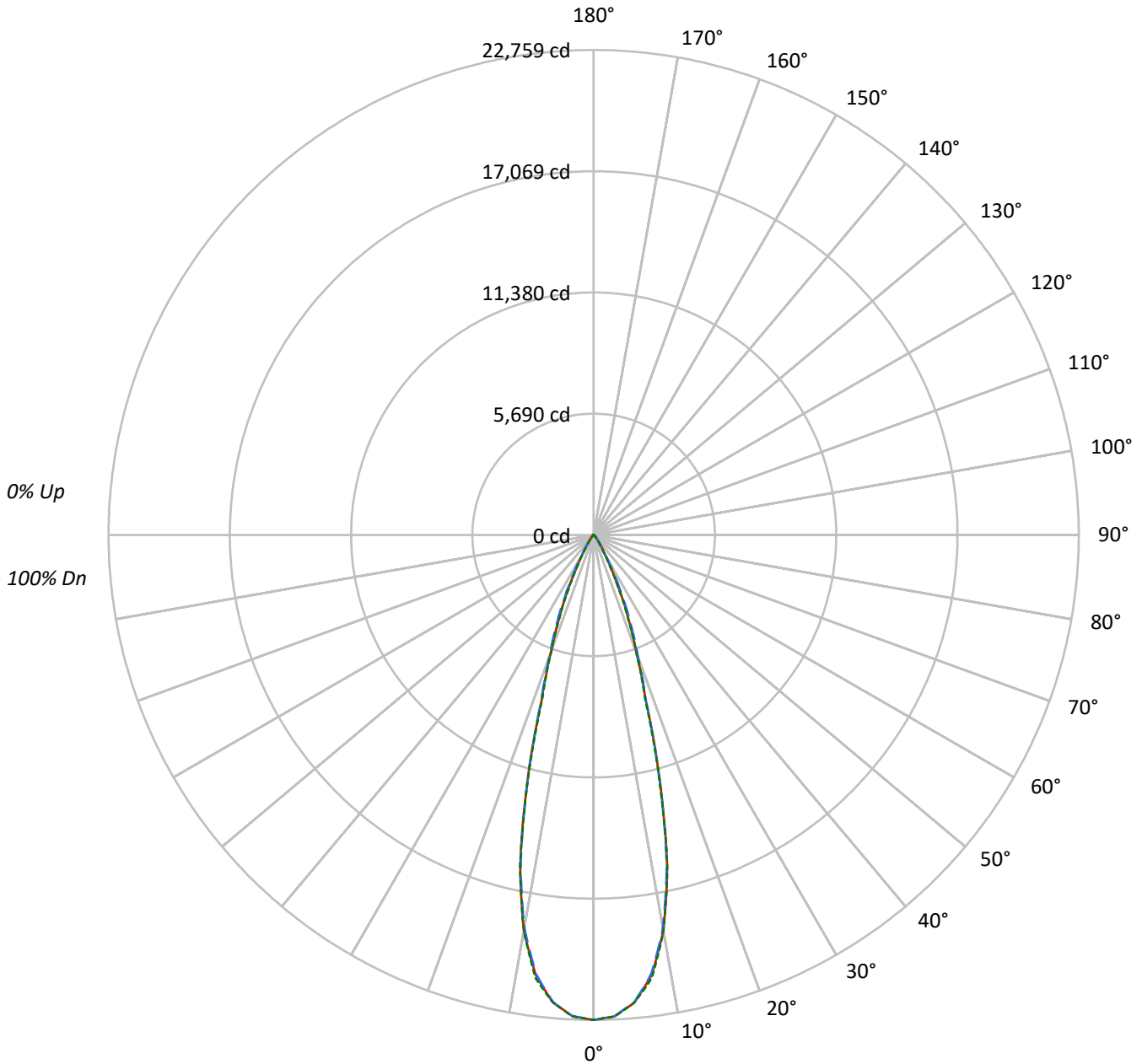
Lumens per Lamp: N/A
Luminaire Lumens: 7078.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1742066	1742066	1742066
5°	1692062	1690087	1692147
10°	1465583	1455246	1465233
15°	956216	951081	946303
20°	475482	493321	474846
25°	239518	270091	234611
30°	95897	104488	83550
35°	44479	42600	35714
40°	19205	21323	18086
45°	13542	16811	13672
50°	4656	12241	4918
55°	2682	5071	2829
60°	1883	2220	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16811 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2001.3	28.3
10°-20°	3223.2	45.5
20°-30°	1392.8	19.7
30°-40°	317.4	4.5
40°-50°	109.0	1.5
50°-60°	26.6	0.4
60°-70°	6.9	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°	6617.3	93.5
0°-40°	6934.8	98.0
0°-60°	7070.4	99.9
0°-90°	7078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22759	22759	22759	22759	22759	
5°	22022	22000	21996	22042	22023	2003
15°	12067	11922	12002	11963	11942	3231
25°	2836	2943	3198	2868	2778	1357
35°	476	486	456	452	382	323
45°	125	155	155	155	126	89
55°	20	21	38	22	21	20
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°	22759.2	22759.2	22759.2	22759.2	22759.2
2.5°	22608.4	22592.7	22601.7	22612.9	22617.3
5°	22021.8	22000.5	21996.1	22041.9	22022.9
7.5°	20838.4	20808.3	20762.4	20866.4	20963.6
10°	18856.2	18822.6	18723.2	18772.3	18851.7
12.5°	15929.7	15821.3	15819.1	15975.5	15954.3
15°	12066.8	11921.6	12002.0	11962.9	11941.7
17.5°	8114.6	8058.7	8166.0	8133.6	7993.9
20°	5837.3	5851.8	6056.3	5953.5	5829.5
22.5°	4259.5	4312.1	4554.5	4289.7	4192.5
25°	2836.0	2943.2	3198.0	2868.4	2777.9
27.5°	1744.3	1793.4	2051.5	1721.9	1672.8
30°	1085.0	1060.4	1182.2	1014.6	945.3
32.5°	711.8	680.5	719.6	645.9	590.0
35°	476.0	486.1	455.9	452.5	382.2
37.5°	297.2	341.9	301.7	321.8	245.8
40°	192.2	248.1	213.4	235.8	181.0
42.5°	157.6	191.1	175.4	186.6	160.9
45°	125.1	155.3	155.3	155.3	126.3
47.5°	69.3	103.9	133.0	106.2	73.7
50°	39.1	52.5	102.8	54.8	41.3
52.5°	26.8	30.2	70.4	31.3	27.9
55°	20.1	21.2	38.0	22.3	21.2
57.5°	15.6	16.8	20.1	16.8	15.6
60°	12.3	12.3	14.5	13.4	12.3
62.5°	8.9	8.9	10.1	8.9	8.9
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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