

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



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: P771905

Luminaire Tested: LD6D80BD010-EU6DR3070959050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771905
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: LD6D80BD010-EU6DR3070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

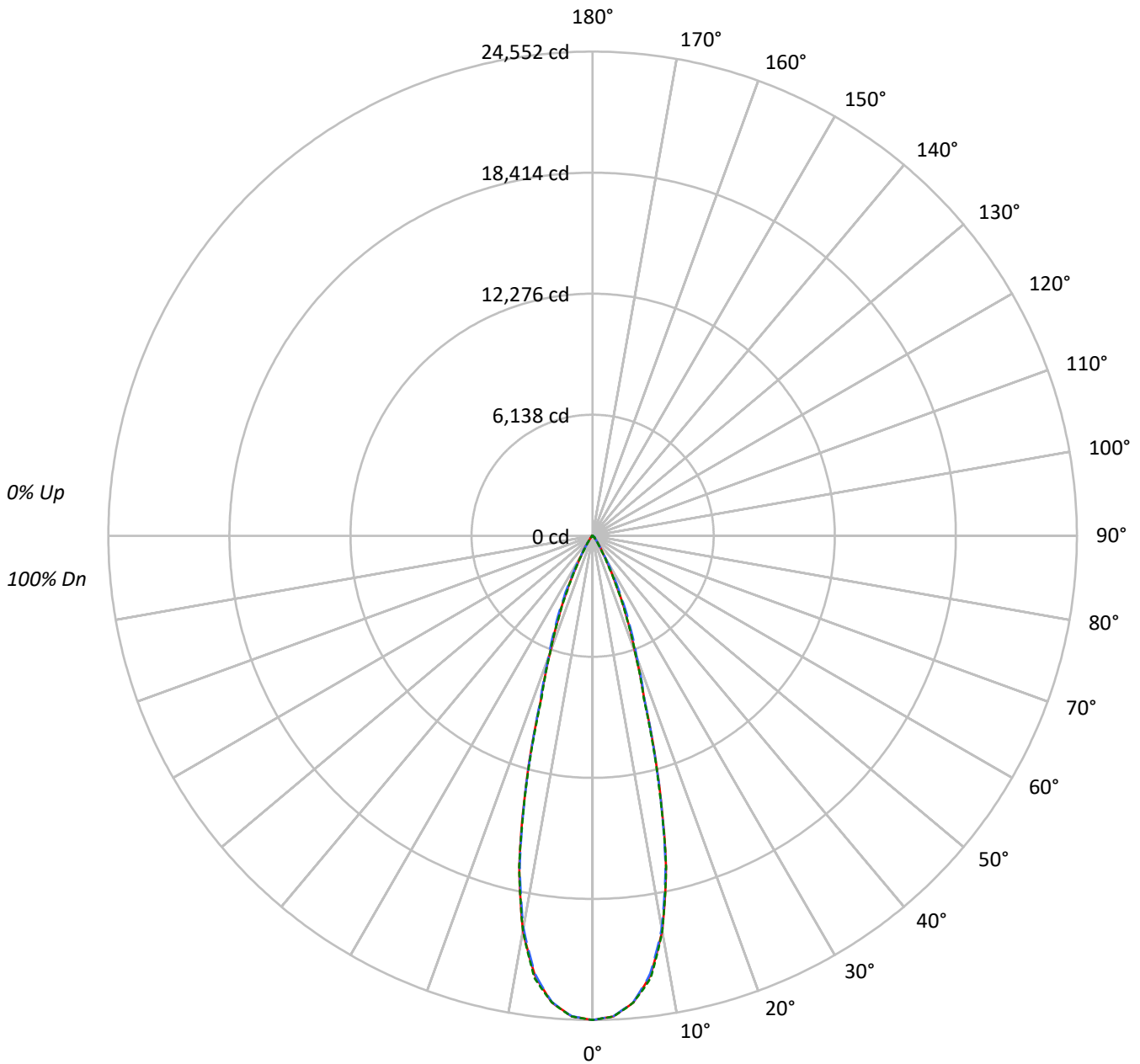
Lumens per Lamp: N/A
Luminaire Lumens: 7635.7 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1879332	1879332	1879332
5°	1825380	1823252	1825472
10°	1581058	1569905	1580685
15°	1031561	1026022	1020863
20°	512943	532191	512259
25°	258386	291374	253090
30°	103454	112726	90135
35°	47983	45955	38526
40°	20713	23002	19514
45°	14614	18142	14743
50°	5025	13206	5311
55°	2896	5471	3056
60°	2036	2403	2036
65°	1304	1304	1304
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2159.0	28.3
10°-20°	3477.1	45.5
20°-30°	1502.6	19.7
30°-40°	342.5	4.5
40°-50°	117.6	1.5
50°-60°	28.7	0.4
60°-70°	7.4	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°	7138.7	93.5
0°-40°	7481.2	98.0
0°-60°	7627.5	99.9
0°-90°	7635.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7635.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24552	24552	24552	24552	24552	
5°	23757	23734	23729	23779	23758	2161
15°	13018	12861	12948	12906	12883	3486
25°	3059	3175	3450	3094	2997	1464
35°	514	524	492	488	412	348
45°	135	168	168	168	136	96
55°	22	23	41	24	23	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°	24552.5	24552.5	24552.5	24552.5	24552.5
2.5°	24389.8	24372.9	24382.5	24394.6	24399.4
5°	23756.9	23734.0	23729.2	23778.6	23758.1
7.5°	22480.4	22447.8	22398.4	22510.5	22615.4
10°	20341.9	20305.7	20198.4	20251.5	20337.1
12.5°	17184.8	17067.9	17065.5	17234.3	17211.4
15°	13017.6	12860.9	12947.7	12905.5	12882.6
17.5°	8753.9	8693.7	8809.4	8774.4	8623.8
20°	6297.2	6312.9	6533.5	6422.6	6288.8
22.5°	4595.2	4651.8	4913.4	4627.7	4522.8
25°	3059.4	3175.1	3450.0	3094.4	2996.7
27.5°	1881.7	1934.7	2213.2	1857.6	1804.6
30°	1170.5	1144.0	1275.4	1094.5	1019.8
32.5°	767.9	734.1	776.3	696.7	636.5
35°	513.5	524.4	491.8	488.2	412.3
37.5°	320.6	368.9	325.5	347.2	265.2
40°	207.3	267.6	230.2	254.3	195.3
42.5°	170.0	206.1	189.3	201.3	173.6
45°	135.0	167.6	167.6	167.6	136.2
47.5°	74.7	112.1	143.4	114.5	79.6
50°	42.2	56.7	110.9	59.1	44.6
52.5°	28.9	32.5	75.9	33.8	30.1
55°	21.7	22.9	41.0	24.1	22.9
57.5°	16.9	18.1	21.7	18.1	16.9
60°	13.3	13.3	15.7	14.5	13.3
62.5°	9.6	9.6	10.8	9.6	9.6
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
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

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Scaled Data Report





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

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