

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: P771075

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771075
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-EU6DR3070959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607.8 lumens
Efficiency: N/A
Efficacy: 105.1 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

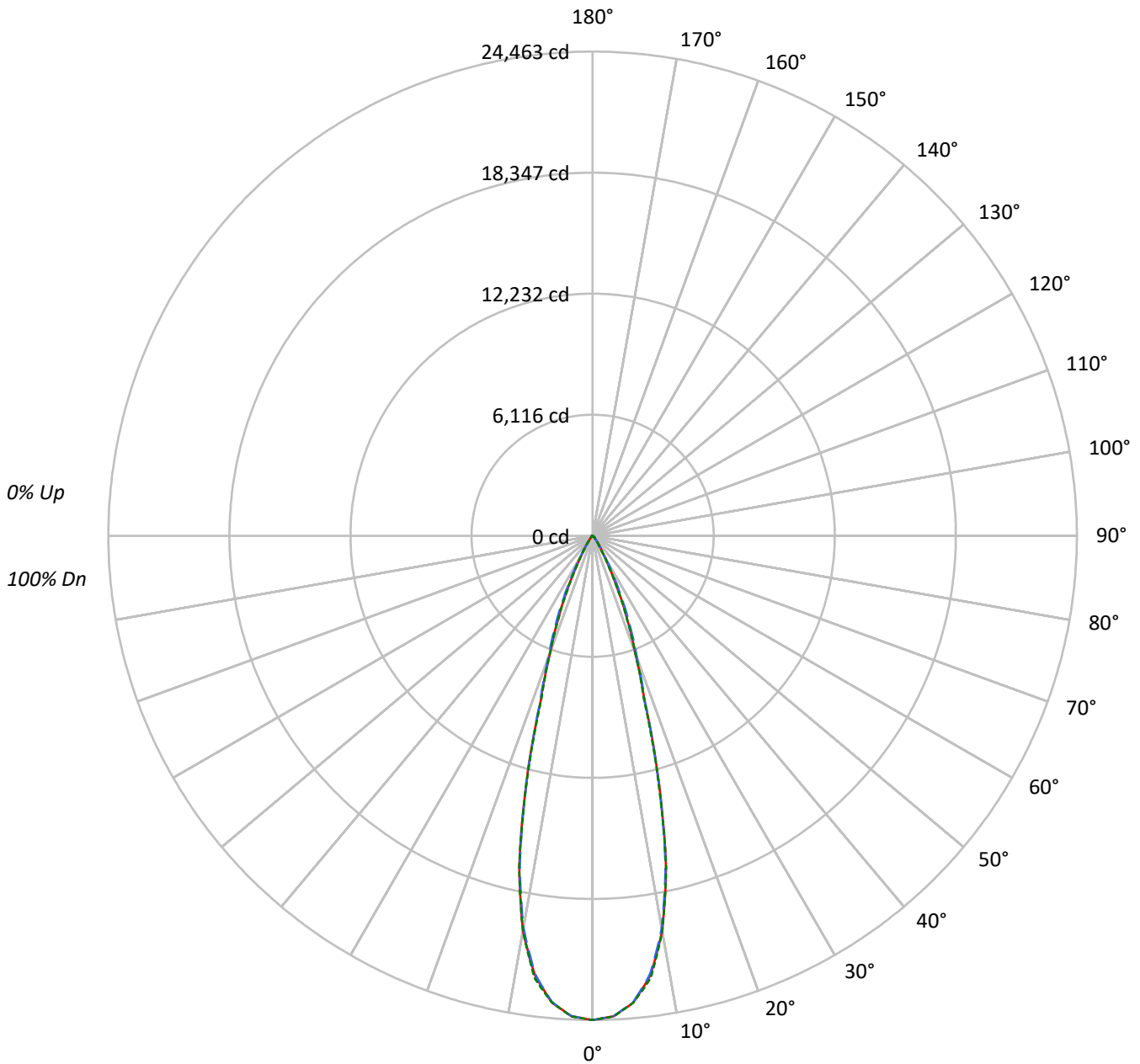
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1872458	1872458	1872458
5°	1818703	1816582	1818795
10°	1575275	1564168	1574902
15°	1027789	1022266	1017131
20°	511070	530245	510386
25°	257440	290310	252170
30°	103074	112310	89808
35°	47805	45787	38386
40°	20644	22922	19444
45°	14559	18067	14689
50°	5001	13158	5287
55°	2883	5445	3043
60°	2021	2388	2021
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: 18067 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2151.1	28.3
10°-20°	3464.4	45.5
20°-30°	1497.1	19.7
30°-40°	341.2	4.5
40°-50°	117.2	1.5
50°-60°	28.6	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°	7112.6	93.5
0°-40°	7453.8	98.0
0°-60°	7599.6	99.9
0°-90°	7607.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7607.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24463	24463	24463	24463	24463	
5°	23670	23647	23642	23692	23671	2153
15°	12970	12814	12900	12858	12836	3473
25°	3048	3164	3437	3083	2986	1459
35°	512	522	490	486	411	347
45°	134	167	167	167	136	95
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°	24462.7	24462.7	24462.7	24462.7	24462.7
2.5°	24300.6	24283.7	24293.3	24305.4	24310.2
5°	23670.0	23647.2	23642.4	23691.6	23671.2
7.5°	22398.1	22365.7	22316.4	22428.1	22532.6
10°	20267.5	20231.4	20124.6	20177.4	20262.7
12.5°	17122.0	17005.5	17003.1	17171.2	17148.4
15°	12970.0	12813.8	12900.3	12858.3	12835.5
17.5°	8721.9	8661.9	8777.2	8742.3	8592.2
20°	6274.2	6289.8	6509.6	6399.1	6265.8
22.5°	4578.3	4634.8	4895.4	4610.8	4506.3
25°	3048.2	3163.5	3437.4	3083.1	2985.8
27.5°	1874.8	1927.7	2205.1	1850.8	1798.0
30°	1166.2	1139.8	1270.7	1090.5	1016.1
32.5°	765.1	731.4	773.5	694.2	634.1
35°	511.6	522.5	490.0	486.4	410.8
37.5°	319.5	367.5	324.3	345.9	264.2
40°	206.6	266.6	229.4	253.4	194.6
42.5°	169.3	205.4	188.6	200.6	172.9
45°	134.5	166.9	166.9	166.9	135.7
47.5°	74.5	111.7	142.9	114.1	79.3
50°	42.0	56.4	110.5	58.9	44.4
52.5°	28.8	32.4	75.7	33.6	30.0
55°	21.6	22.8	40.8	24.0	22.8
57.5°	16.8	18.0	21.6	18.0	16.8
60°	13.2	13.2	15.6	14.4	13.2
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

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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