

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: P770346

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770346
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: LD6D70BD010-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: 7059.9 lumens
Efficiency: N/A
Efficacy: 106.0 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

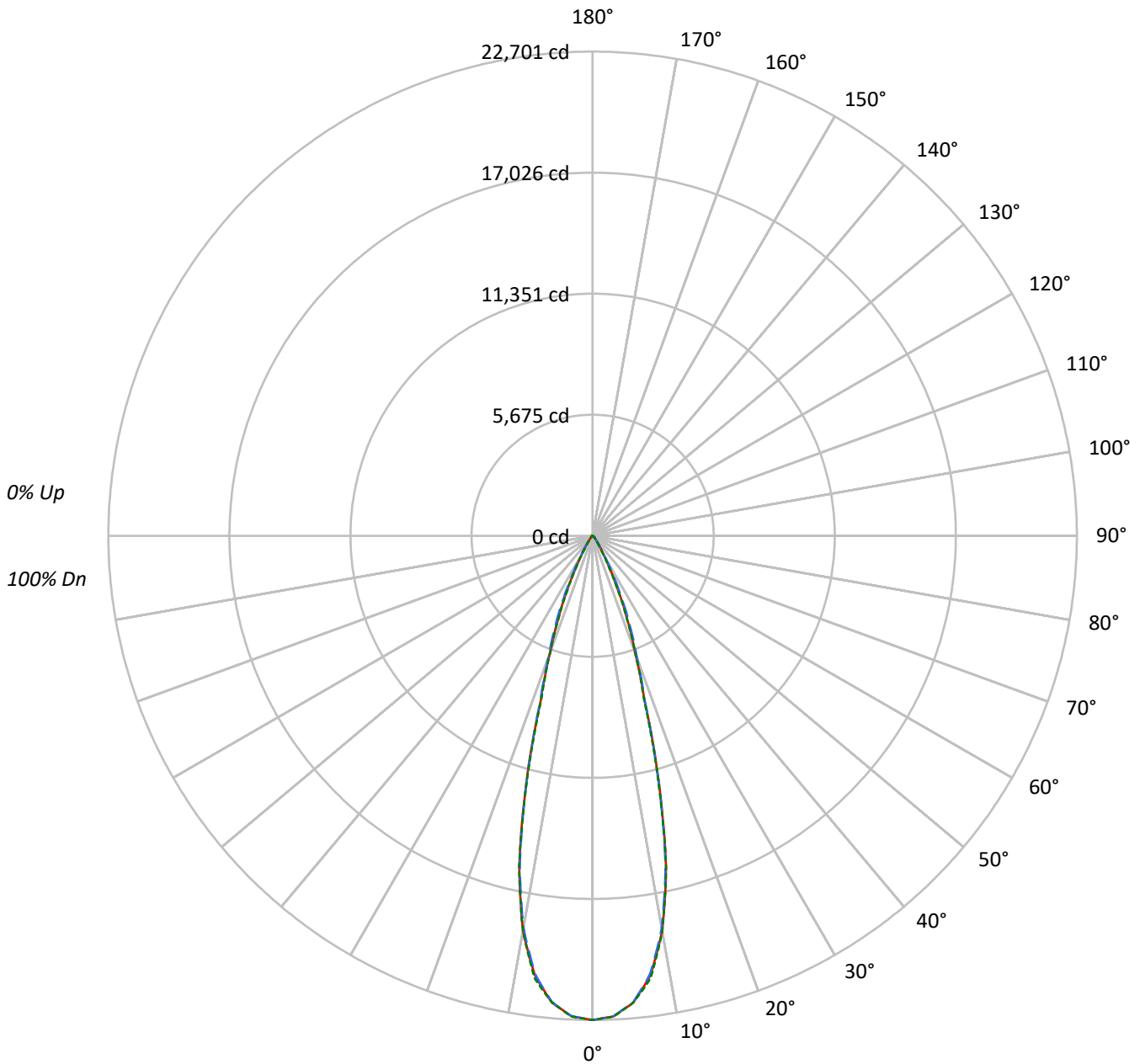
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1737612	1737612	1737612
5°	1687729	1685762	1687821
10°	1461829	1451523	1461487
15°	953775	948648	943878
20°	474268	492058	473633
25°	238902	269399	234011
30°	95650	104223	83338
35°	44366	42488	35620
40°	19155	21273	18046
45°	13509	16768	13629
50°	4644	12206	4906
55°	2682	5058	2829
60°	1883	2220	1883
65°	1213	1213	1213
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16768 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1996.2	28.3
10°-20°	3214.9	45.5
20°-30°	1389.2	19.7
30°-40°	316.6	4.5
40°-50°	108.7	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°	6600.4	93.5
0°-40°	6917.0	98.0
0°-60°	7052.3	99.9
0°-90°	7059.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7059.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22701	22701	22701	22701	22701	
5°	21965	21944	21940	21986	21967	1998
15°	12036	11891	11971	11932	11911	3223
25°	2829	2936	3190	2861	2771	1354
35°	475	485	455	451	381	322
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°	22701.0	22701.0	22701.0	22701.0	22701.0
2.5°	22550.6	22535.0	22543.9	22555.0	22559.5
5°	21965.4	21944.3	21939.8	21985.5	21966.6
7.5°	20785.1	20755.0	20709.4	20813.0	20910.0
10°	18807.9	18774.5	18675.3	18724.3	18803.5
12.5°	15888.9	15780.8	15778.6	15934.6	15913.5
15°	12036.0	11891.1	11971.3	11932.3	11911.1
17.5°	8093.8	8038.1	8145.1	8112.8	7973.5
20°	5822.4	5836.9	6040.8	5938.3	5814.6
22.5°	4248.6	4301.0	4542.9	4278.7	4181.8
25°	2828.7	2935.7	3189.8	2861.0	2770.8
27.5°	1739.8	1788.8	2046.3	1717.5	1668.5
30°	1082.2	1057.7	1179.2	1012.0	942.9
32.5°	710.0	678.8	717.8	644.2	588.5
35°	474.8	484.8	454.7	451.4	381.2
37.5°	296.5	341.1	300.9	321.0	245.2
40°	191.7	247.4	212.9	235.2	180.6
42.5°	157.2	190.6	175.0	186.1	160.5
45°	124.8	154.9	154.9	154.9	125.9
47.5°	69.1	103.7	132.6	105.9	73.6
50°	39.0	52.4	102.5	54.6	41.2
52.5°	26.7	30.1	70.2	31.2	27.9
55°	20.1	21.2	37.9	22.3	21.2
57.5°	15.6	16.7	20.1	16.7	15.6
60°	12.3	12.3	14.5	13.4	12.3
62.5°	8.9	8.9	10.0	8.9	8.9
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.3	4.5	4.5	4.5	4.5
70°	3.3	2.2	2.2	2.2	3.3
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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