

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: P771087

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771087
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-EU6DR3070959030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7004.2 lumens
Efficiency: N/A
Efficacy: 96.7 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

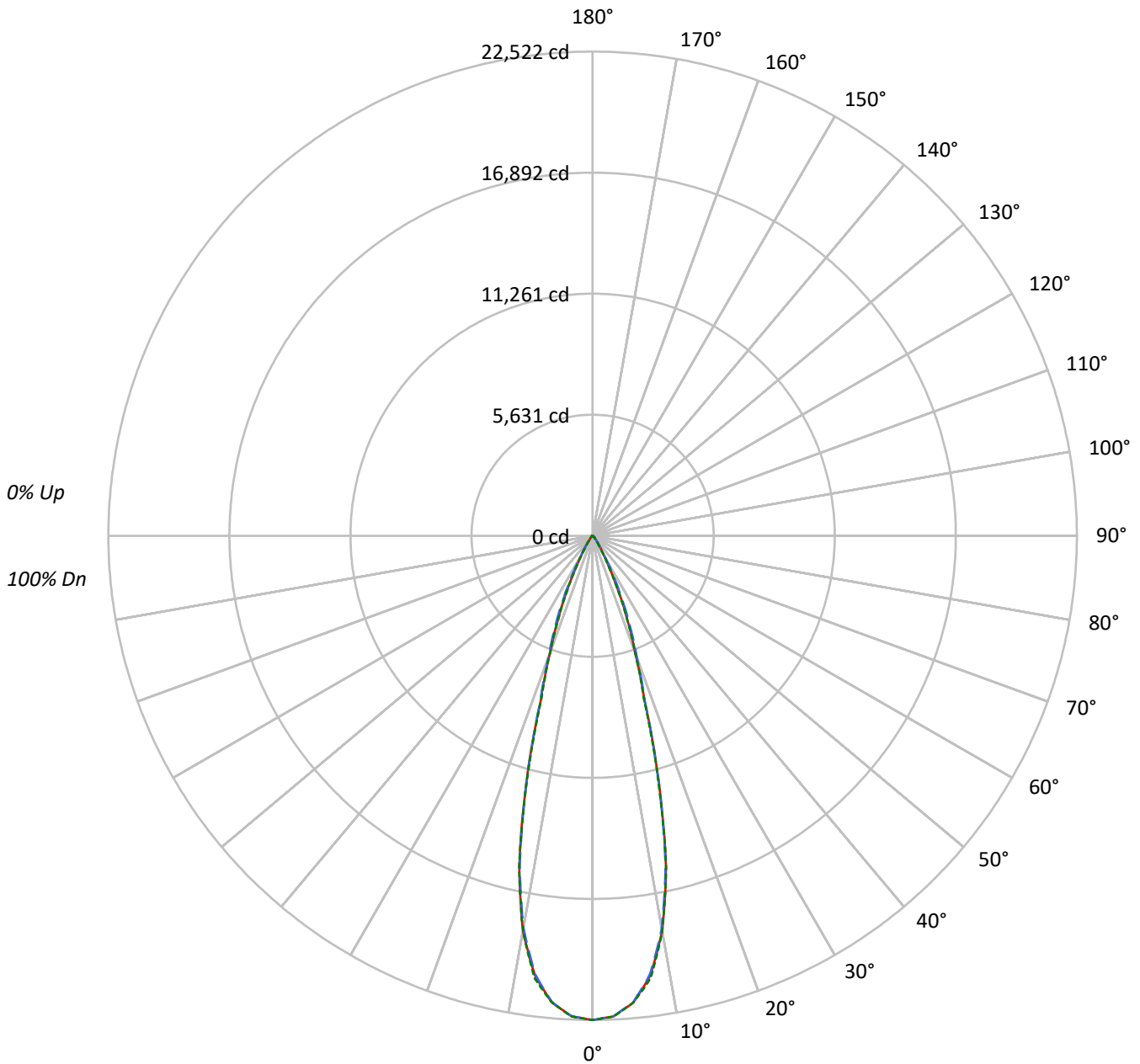
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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																			
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°	1723910	1723910	1723910
5°	1674421	1672469	1674505
10°	1450303	1440074	1449961
15°	946247	941168	936437
20°	470529	488181	469894
25°	237018	267279	232162
30°	94899	103401	82684
35°	44021	42152	35340
40°	19005	21103	17896
45°	13401	16638	13531
50°	4608	12110	4870
55°	2656	5018	2802
60°	1868	2204	1868
65°	1195	1195	1195
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: 16638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1980.5	28.3
10°-20°	3189.6	45.5
20°-30°	1378.3	19.7
30°-40°	314.1	4.5
40°-50°	107.9	1.5
50°-60°	26.4	0.4
60°-70°	6.8	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°	6548.3	93.5
0°-40°	6862.5	98.0
0°-60°	6996.7	99.9
0°-90°	7004.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7004.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22522	22522	22522	22522	22522	
5°	21792	21771	21767	21812	21793	1982
15°	11941	11797	11877	11838	11817	3197
25°	2806	2913	3165	2838	2749	1343
35°	471	481	451	448	378	320
45°	124	154	154	154	125	88
55°	20	21	38	22	21	19
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°	22522.0	22522.0	22522.0	22522.0	22522.0
2.5°	22372.7	22357.2	22366.1	22377.2	22381.6
5°	21792.2	21771.2	21766.8	21812.1	21793.3
7.5°	20621.2	20591.4	20546.0	20648.9	20745.1
10°	18659.6	18626.4	18528.0	18576.7	18655.2
12.5°	15763.6	15656.4	15654.2	15809.0	15788.0
15°	11941.0	11797.3	11876.9	11838.2	11817.2
17.5°	8030.0	7974.7	8080.9	8048.8	7910.6
20°	5776.5	5790.8	5993.2	5891.5	5768.7
22.5°	4215.1	4267.1	4507.1	4245.0	4148.8
25°	2806.4	2912.6	3164.7	2838.5	2748.9
27.5°	1726.1	1774.7	2030.2	1704.0	1655.3
30°	1073.7	1049.4	1169.9	1004.0	935.5
32.5°	704.4	673.4	712.1	639.1	583.8
35°	471.1	481.0	451.1	447.8	378.2
37.5°	294.1	338.4	298.6	318.5	243.3
40°	190.2	245.5	211.2	233.3	179.1
42.5°	155.9	189.1	173.6	184.7	159.2
45°	123.8	153.7	153.7	153.7	125.0
47.5°	68.6	102.8	131.6	105.0	73.0
50°	38.7	52.0	101.7	54.2	40.9
52.5°	26.5	29.9	69.7	31.0	27.6
55°	19.9	21.0	37.6	22.1	21.0
57.5°	15.5	16.6	19.9	16.6	15.5
60°	12.2	12.2	14.4	13.3	12.2
62.5°	8.8	8.8	10.0	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
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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