

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: P772686

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772686
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: LD6D85BD010-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: 8999.7 lumens
Efficiency: N/A
Efficacy: 102.6 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

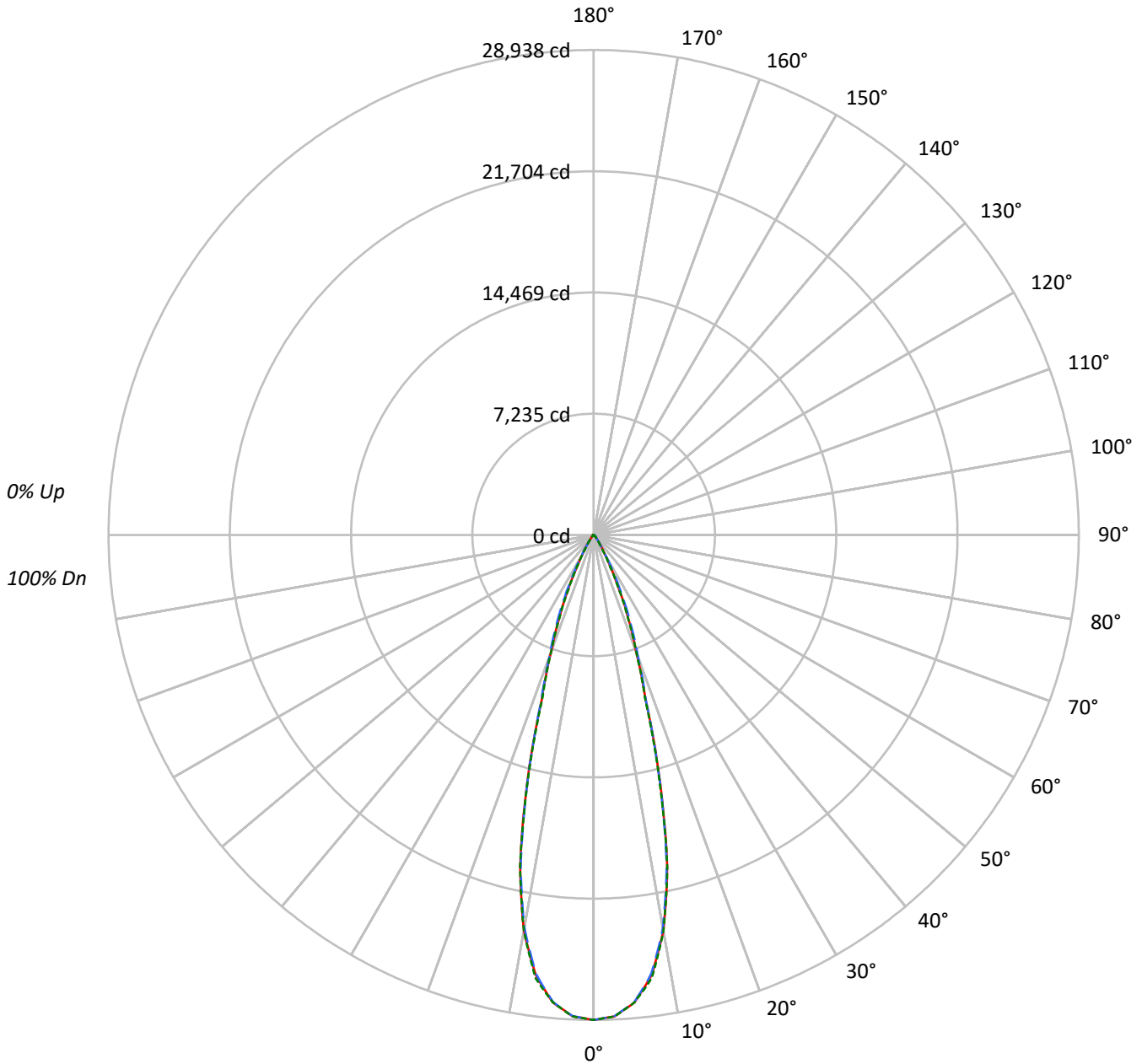
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2215028	2215028	2215028
5°	2151440	2148935	2151555
10°	1863477	1850333	1863034
15°	1215826	1209296	1203218
20°	604573	627258	603767
25°	304541	343416	298300
30°	121936	132860	106238
35°	56551	54168	45404
40°	24421	27118	23002
45°	17222	21379	17374
50°	5918	15564	6264
55°	3416	6446	3603
60°	2388	2832	2388
65°	1539	1539	1539
70°	962	627	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21379 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2544.7	28.3
10°-20°	4098.2	45.5
20°-30°	1771.0	19.7
30°-40°	403.6	4.5
40°-50°	138.6	1.5
50°-60°	33.9	0.4
60°-70°	8.8	0.1
70°-80°	0.9	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°	8413.9	93.5
0°-40°	8817.5	98.0
0°-60°	8990.0	99.9
0°-90°	8999.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8999.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28938	28938	28938	28938	28938	
5°	28000	27974	27968	28026	28002	2547
15°	15343	15158	15260	15211	15184	4108
25°	3606	3742	4066	3647	3532	1726
35°	605	618	580	575	486	411
45°	159	198	198	198	160	113
55°	26	27	48	28	27	25
65°	8	8	8	8	8	8
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°	28938.2	28938.2	28938.2	28938.2	28938.2
2.5°	28746.4	28726.5	28737.9	28752.1	28757.8
5°	28000.5	27973.5	27967.9	28026.1	28002.0
7.5°	26495.9	26457.6	26399.3	26531.5	26655.1
10°	23975.5	23932.9	23806.4	23868.9	23969.8
12.5°	20254.5	20116.7	20113.8	20312.7	20285.8
15°	15342.9	15158.2	15260.5	15210.8	15183.8
17.5°	10317.6	10246.6	10383.0	10341.8	10164.2
20°	7422.1	7440.6	7700.6	7569.9	7412.2
22.5°	5416.0	5482.8	5791.1	5454.3	5330.7
25°	3605.9	3742.3	4066.2	3647.1	3532.0
27.5°	2217.8	2280.3	2608.5	2189.4	2126.9
30°	1379.6	1348.3	1503.2	1290.1	1202.0
32.5°	905.0	865.2	915.0	821.2	750.2
35°	605.2	618.0	579.7	575.4	485.9
37.5°	377.9	434.8	383.6	409.2	312.6
40°	244.4	315.4	271.4	299.8	230.2
42.5°	200.3	243.0	223.1	237.3	204.6
45°	159.1	197.5	197.5	197.5	160.5
47.5°	88.1	132.1	169.1	135.0	93.8
50°	49.7	66.8	130.7	69.6	52.6
52.5°	34.1	38.4	89.5	39.8	35.5
55°	25.6	27.0	48.3	28.4	27.0
57.5°	19.9	21.3	25.6	21.3	19.9
60°	15.6	15.6	18.5	17.0	15.6
62.5°	11.4	11.4	12.8	11.4	11.4
65°	8.5	8.5	8.5	8.5	8.5
67.5°	4.3	5.7	5.7	5.7	5.7
70°	4.3	2.8	2.8	2.8	4.3
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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