

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: P772842

Luminaire Tested: LD6D85BD010-EU6DR4070959050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR4070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10373.7 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

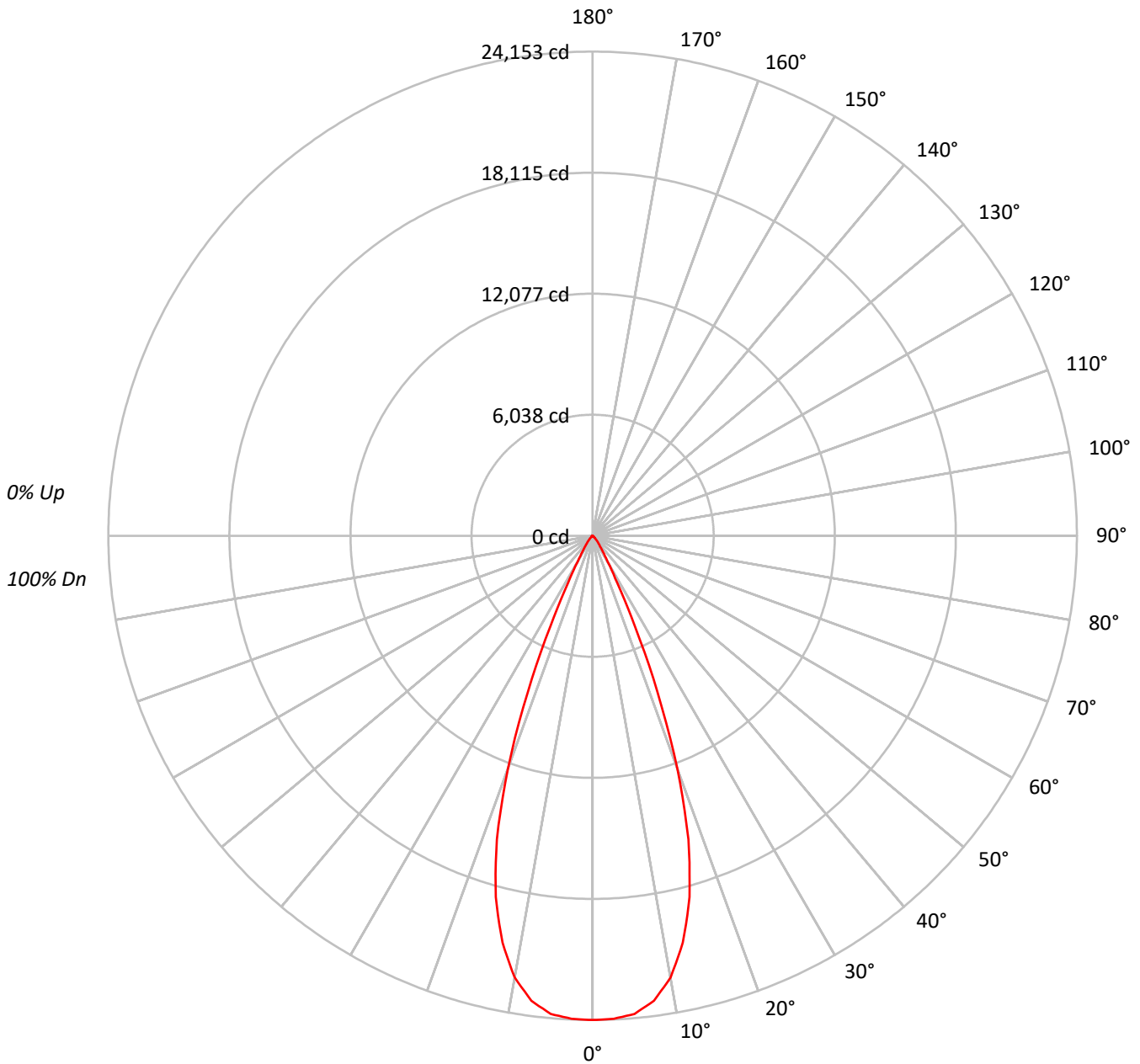
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96																			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																			
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88																			
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84																			
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81																			
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77																			
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74																			
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																			
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69																			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2638931
5°	2626111
10°	2482245
15°	2110229
20°	1438272
25°	600103
30°	188690
35°	87699
40°	48494
45°	22235
50°	10794
55°	5905
60°	3081
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22235 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2235.7	21.6
10°-20°	5008.7	48.3
20°-30°	2507.2	24.2
30°-40°	459.6	4.4
40°-50°	126.8	1.2
50°-60°	29.8	0.3
60°-70°	5.7	0.1
70°-80°	0.2	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°	9751.6	94.0
0°-40°	10211.2	98.4
0°-60°	10367.8	99.9
0°-90°	10373.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10373.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24153	
5°	23944	###
15°	18656	5009
25°	4978	2507
35°	658	460
45°	144	127
55°	31	30
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24152.6
2.5°	24117.4
5°	23943.8
7.5°	23390.7
10°	22373.4
12.5°	20787.5
15°	18655.6
17.5°	15883.1
20°	12369.8
22.5°	8433.3
25°	4977.8
27.5°	2631.4
30°	1495.6
32.5°	966.5
35°	657.5
37.5°	469.8
40°	340.0
42.5°	232.8
45°	143.9
47.5°	91.7
50°	63.5
52.5°	45.2
55°	31.0
57.5°	19.8
60°	14.1
62.5°	8.5
65°	4.2
67.5°	2.8
70°	1.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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