

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: P770788

Luminaire Tested: LD6D70BD010-EU6DR6070959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7352.8 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

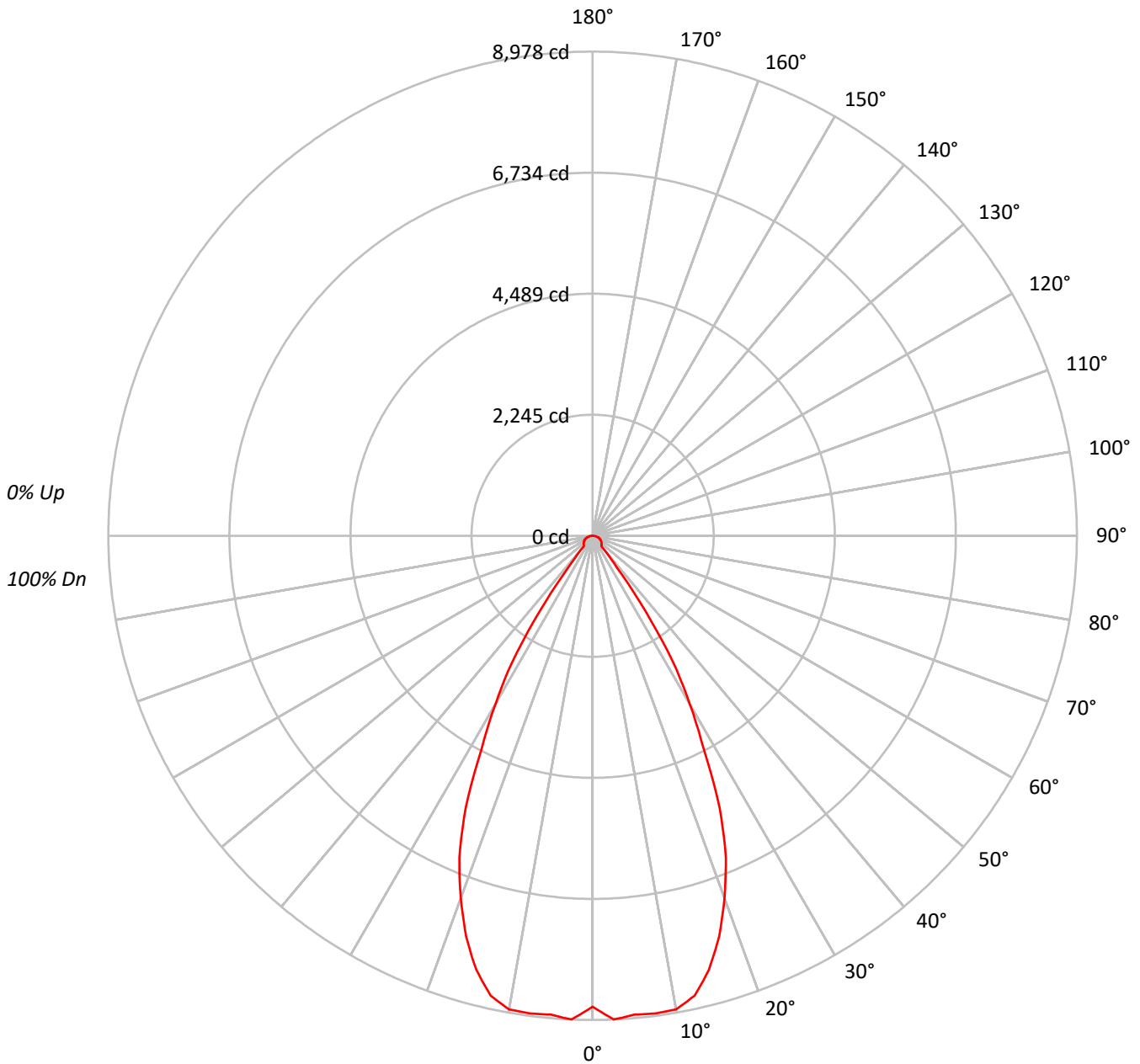
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	954109
5°	977572
10°	989375
15°	942520
20°	831014
25°	672147
30°	454643
35°	227831
40°	36955
45°	36173
50°	36903
55°	37450
60°	38482
65°	39375
70°	40284
75°	40780
80°	39325
85°	32720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 40780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.9	11.6
10°-20°	2304.8	31.3
20°-30°	2479.8	33.7
30°-40°	1077.9	14.7
40°-50°	181.1	2.5
50°-60°	176.0	2.4
60°-70°	150.6	2.0
70°-80°	100.8	1.4
80°-90°	30.1	0.4
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°	5636.4	76.7
0°-40°	6714.3	91.3
0°-60°	7071.4	96.2
0°-90°	7352.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7352.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8732	
5°	8913	852
15°	8332	2305
25°	5575	2480
35°	1708	1078
45°	234	181
55°	197	176
65°	152	151
75°	97	101
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8732.4
2.5°	8977.9
5°	8913.1
7.5°	8933.5
10°	8917.6
12.5°	8733.5
15°	8332.4
17.5°	7793.7
20°	7147.1
22.5°	6455.0
25°	5575.4
27.5°	4459.4
30°	3603.6
32.5°	2777.5
35°	1708.1
37.5°	730.7
40°	259.1
42.5°	238.7
45°	234.1
47.5°	226.2
50°	217.1
52.5°	206.8
55°	196.6
57.5°	186.4
60°	176.1
62.5°	164.8
65°	152.3
67.5°	139.8
70°	126.1
72.5°	111.4
75°	96.6
77.5°	79.6
80°	62.5
82.5°	44.3
85°	26.1
87.5°	9.1
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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