

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: P772335

Luminaire Tested: LD6D80BD010-EU6DR6070959030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772335
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: LD6D80BD010-EU6DR6070959030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

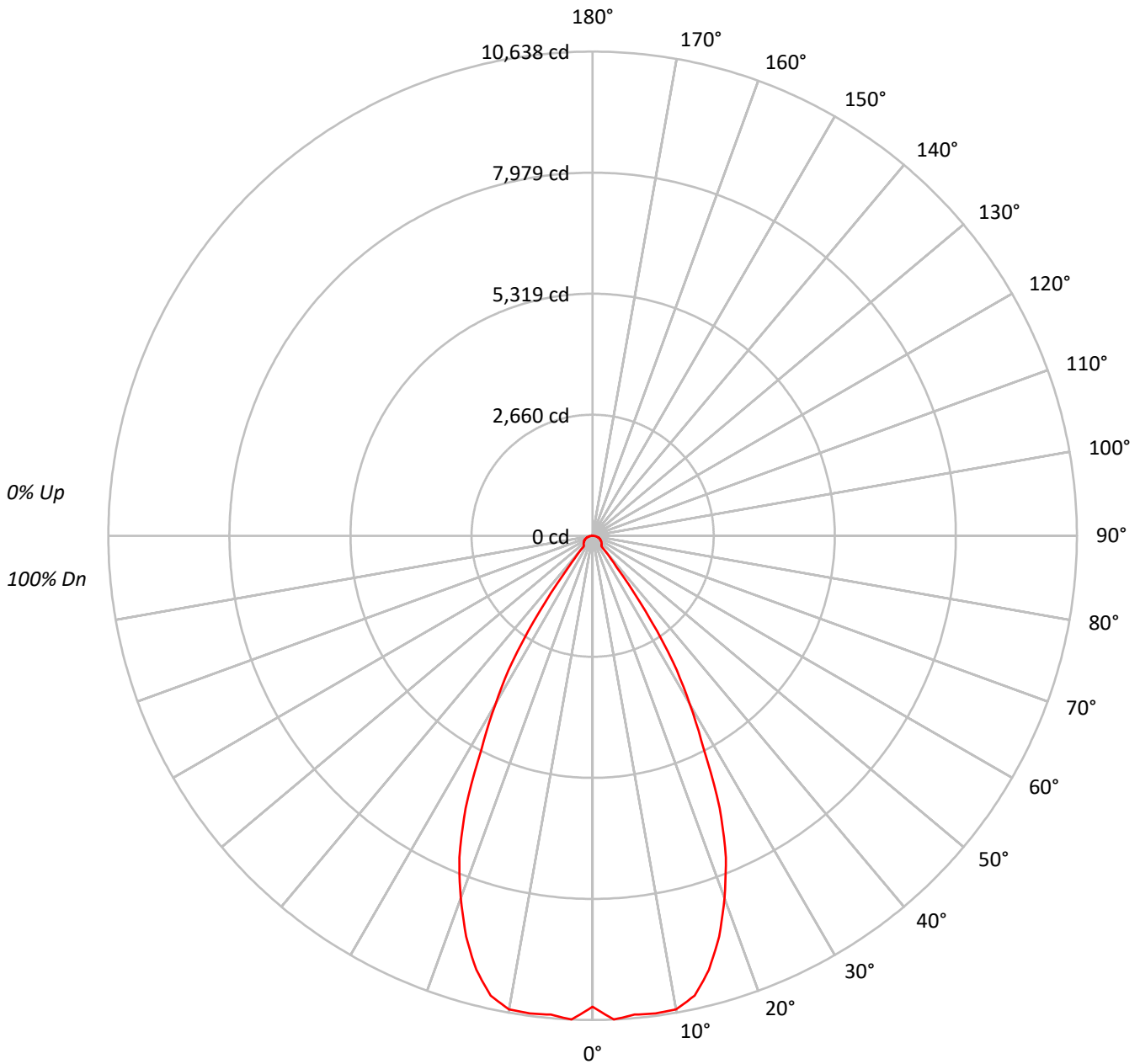
Lumens per Lamp: N/A
Luminaire Lumens: 8712.7 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1130576
5°	1158376
10°	1172369
15°	1116830
20°	984703
25°	796453
30°	538731
35°	269967
40°	43787
45°	42863
50°	43719
55°	44384
60°	45605
65°	46639
70°	47759
75°	48336
80°	46624
85°	38862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 48336 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.4	11.6
10°-20°	2731.0	31.3
20°-30°	2938.4	33.7
30°-40°	1277.2	14.7
40°-50°	214.5	2.5
50°-60°	208.6	2.4
60°-70°	178.4	2.0
70°-80°	119.4	1.4
80°-90°	35.7	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°	6678.8	76.7
0°-40°	7956.1	91.3
0°-60°	8379.2	96.2
0°-90°	8712.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8712.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10348	
5°	10562	###
15°	9873	2731
25°	6606	2938
35°	2024	1277
45°	277	215
55°	233	209
65°	180	178
75°	114	119
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10347.5
2.5°	10638.3
5°	10561.6
7.5°	10585.8
10°	10567.0
12.5°	10348.8
15°	9873.4
17.5°	9235.1
20°	8468.9
22.5°	7648.8
25°	6606.5
27.5°	5284.1
30°	4270.1
32.5°	3291.1
35°	2024.0
37.5°	865.9
40°	307.0
42.5°	282.8
45°	277.4
47.5°	268.0
50°	257.2
52.5°	245.1
55°	233.0
57.5°	220.8
60°	208.7
62.5°	195.3
65°	180.4
67.5°	165.6
70°	149.5
72.5°	132.0
75°	114.5
77.5°	94.3
80°	74.1
82.5°	52.5
85°	31.0
87.5°	10.8
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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