

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: P773934

Luminaire Tested: LD6D90BD010-EU6DR6070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773934
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: LD6D90BD010-EU6DR6070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

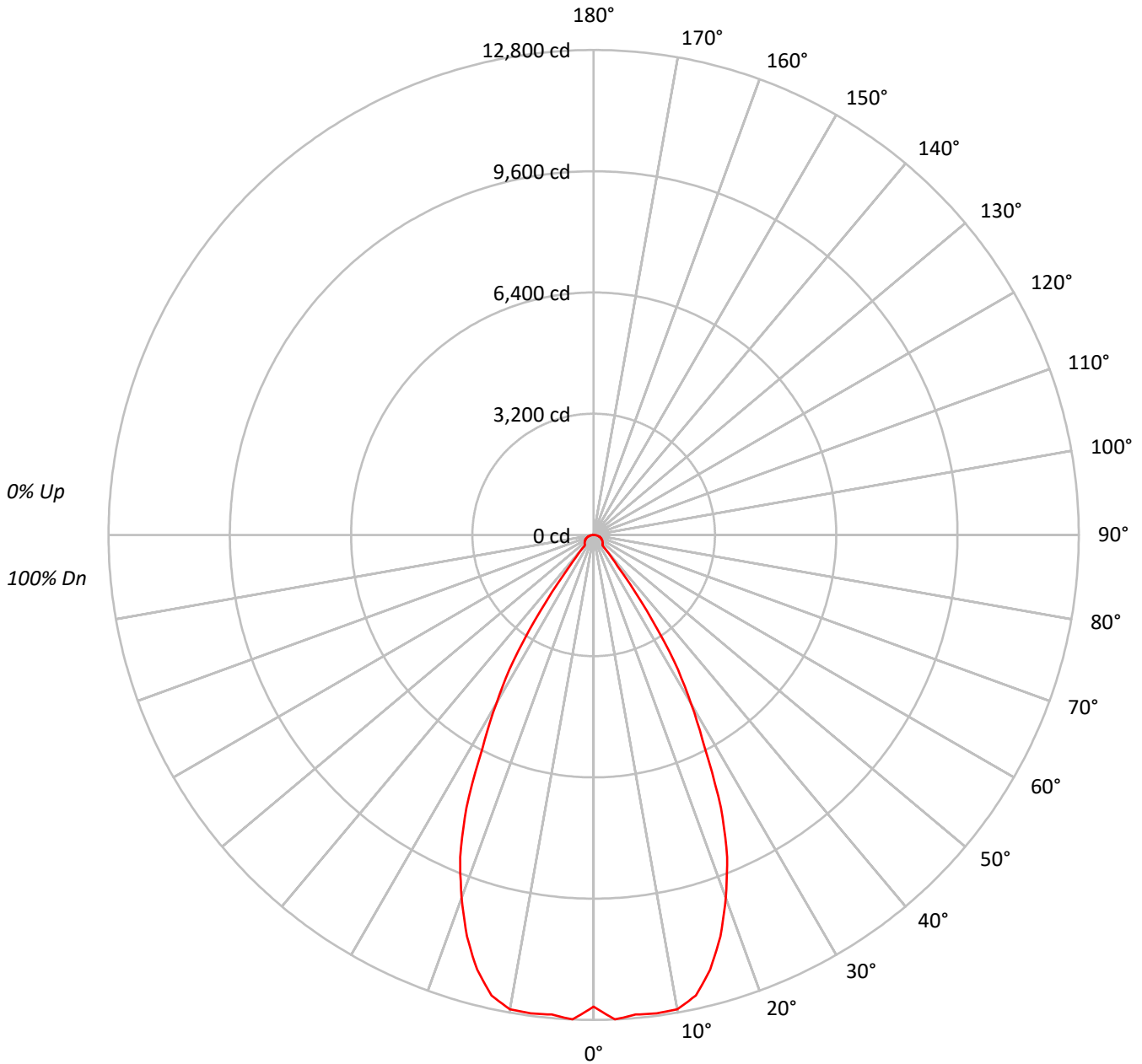
Lumens per Lamp: N/A
Luminaire Lumens: 10482.7 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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									
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°	1360242
5°	1393691
10°	1410527
15°	1343716
20°	1184751
25°	958251
30°	648177
35°	324800
40°	52687
45°	51578
50°	52609
55°	53394
60°	54871
65°	56128
70°	57438
75°	58130
80°	56062
85°	46760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 58130 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.5	11.6
10°-20°	3285.9	31.3
20°-30°	3535.3	33.7
30°-40°	1536.7	14.7
40°-50°	258.1	2.5
50°-60°	251.0	2.4
60°-70°	214.6	2.0
70°-80°	143.6	1.4
80°-90°	43.0	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°	8035.7	76.7
0°-40°	9572.4	91.3
0°-60°	10081.5	96.2
0°-90°	10482.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10482.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12450	
5°	12707	###
15°	11879	3286
25°	7949	3535
35°	2435	1537
45°	334	258
55°	280	251
65°	217	215
75°	138	144
85°	37	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12449.5
2.5°	12799.5
5°	12707.1
7.5°	12736.3
10°	12713.6
12.5°	12451.2
15°	11879.2
17.5°	11111.3
20°	10189.4
22.5°	9202.7
25°	7948.6
27.5°	6357.6
30°	5137.6
32.5°	3959.7
35°	2435.1
37.5°	1041.8
40°	369.4
42.5°	340.2
45°	333.8
47.5°	322.4
50°	309.5
52.5°	294.9
55°	280.3
57.5°	265.7
60°	251.1
62.5°	234.9
65°	217.1
67.5°	199.3
70°	179.8
72.5°	158.8
75°	137.7
77.5°	113.4
80°	89.1
82.5°	63.2
85°	37.3
87.5°	13.0
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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