

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: P773443

Luminaire Tested: LD6D90BD010-EU6DR3070959040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773443
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: LD6D90BD010-EU6DR3070959040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10298.2 lumens
Efficiency: N/A
Efficacy: 104.1 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')

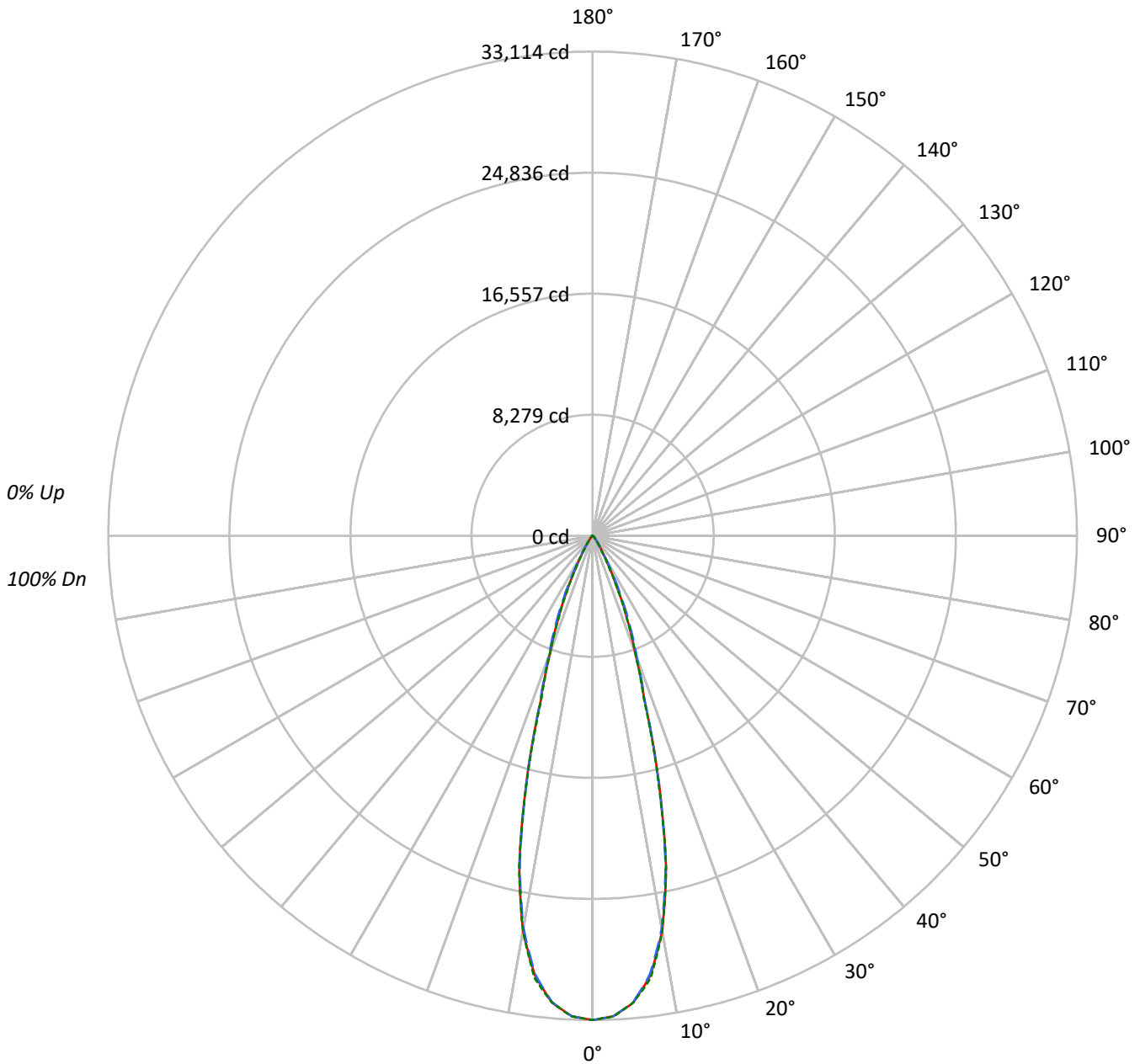
CIE Type: Direct
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2534620	2534620	2534620
5°	2461857	2458983	2461987
10°	2132340	2117308	2131835
15°	1391247	1383775	1376817
20°	691804	717756	690875
25°	348484	392967	341339
30°	139524	152031	121564
35°	64718	61980	51954
40°	27938	31025	26319
45°	19712	24464	19885
50°	6776	17814	7169
55°	3910	7380	4124
60°	2740	3230	2740
65°	1775	1775	1775
70°	1097	739	1097
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 24464 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2911.8	28.3
10°-20°	4689.5	45.5
20°-30°	2026.5	19.7
30°-40°	461.9	4.5
40°-50°	158.6	1.5
50°-60°	38.7	0.4
60°-70°	10.1	0.1
70°-80°	1.1	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°	9627.8	93.5
0°-40°	10089.7	98.0
0°-60°	10287.0	99.9
0°-90°	10298.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10298.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33114	33114	33114	33114	33114	
5°	32040	32010	32003	32070	32042	2914
15°	17557	17345	17462	17405	17374	4701
25°	4126	4282	4653	4173	4042	1975
35°	693	707	663	658	556	470
45°	182	226	226	226	184	129
55°	29	31	55	32	31	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33113.5	33113.5	33113.5	33113.5	33113.5
2.5°	32894.1	32871.3	32884.3	32900.6	32907.1
5°	32040.5	32009.6	32003.1	32069.8	32042.2
7.5°	30318.9	30275.0	30208.3	30359.5	30500.9
10°	27434.7	27386.0	27241.3	27312.8	27428.2
12.5°	23176.9	23019.2	23015.9	23243.5	23212.6
15°	17556.6	17345.3	17462.3	17405.4	17374.5
17.5°	11806.3	11725.0	11881.1	11833.9	11630.7
20°	8493.0	8514.1	8811.6	8662.1	8481.6
22.5°	6197.4	6273.8	6626.6	6241.3	6099.9
25°	4126.2	4282.3	4652.9	4173.3	4041.6
27.5°	2537.8	2609.3	2984.9	2505.3	2433.8
30°	1578.6	1542.8	1720.1	1476.2	1375.4
32.5°	1035.6	990.1	1047.0	939.7	858.4
35°	692.6	707.2	663.3	658.4	556.0
37.5°	432.5	497.5	439.0	468.2	357.7
40°	279.6	360.9	310.5	343.0	263.4
42.5°	229.2	278.0	255.2	271.5	234.1
45°	182.1	226.0	226.0	226.0	183.7
47.5°	100.8	151.2	193.5	154.4	107.3
50°	56.9	76.4	149.6	79.7	60.2
52.5°	39.0	43.9	102.4	45.5	40.6
55°	29.3	30.9	55.3	32.5	30.9
57.5°	22.8	24.4	29.3	24.4	22.8
60°	17.9	17.9	21.1	19.5	17.9
62.5°	13.0	13.0	14.6	13.0	13.0
65°	9.8	9.8	9.8	9.8	9.8
67.5°	4.9	6.5	6.5	6.5	6.5
70°	4.9	3.3	3.3	3.3	4.9
72.5°	3.3	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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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