

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: P773407

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773407
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-EU6DR3070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10864.2 lumens
Efficiency: N/A
Efficacy: 109.8 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

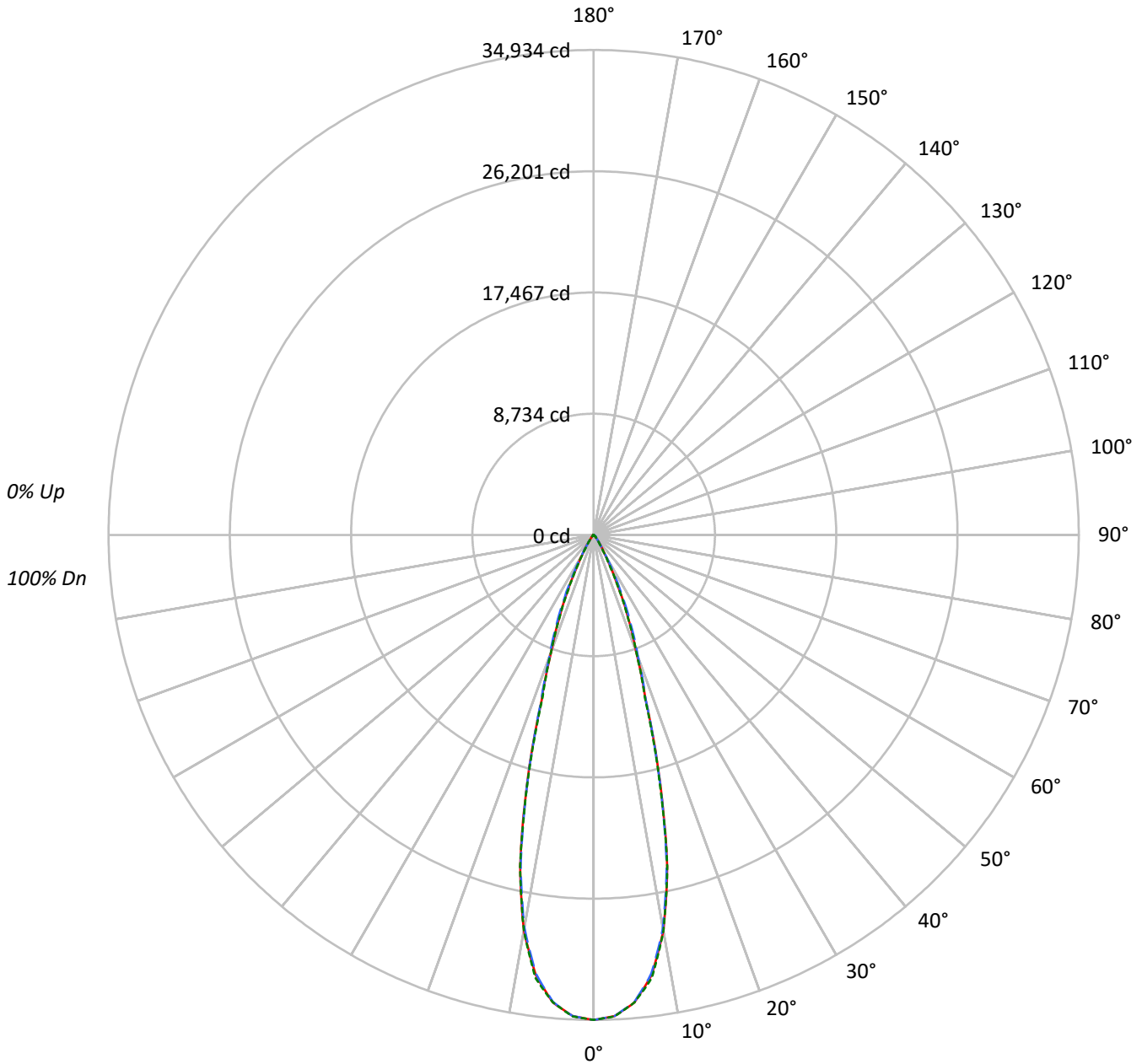
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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	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°	2673936	2673936	2673936
5°	2597172	2594137	2597303
10°	2249548	2233685	2249012
15°	1467717	1459833	1452495
20°	729828	757213	728850
25°	367638	414571	360105
30°	147196	160383	128246
35°	68269	65391	54813
40°	29476	32734	27758
45°	20795	25806	20979
50°	7145	18791	7562
55°	4124	7780	4350
60°	2893	3414	2893
65°	1866	1866	1866
70°	1141	761	1141
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25806 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3071.9	28.3
10°-20°	4947.3	45.5
20°-30°	2137.9	19.7
30°-40°	487.3	4.5
40°-50°	167.3	1.5
50°-60°	40.9	0.4
60°-70°	10.6	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°	10157.0	93.5
0°-40°	10644.3	98.0
0°-60°	10852.5	99.9
0°-90°	10864.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10864.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34934	34934	34934	34934	34934	
5°	33802	33769	33762	33832	33803	3074
15°	18522	18299	18422	18362	18330	4959
25°	4353	4518	4909	4403	4264	2084
35°	731	746	700	695	587	496
45°	192	238	238	238	194	136
55°	31	33	58	34	33	30
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	34933.6	34933.6	34933.6	34933.6	34933.6
2.5°	34702.0	34678.0	34691.7	34708.9	34715.7
5°	33801.6	33769.0	33762.1	33832.5	33803.3
7.5°	31985.3	31939.0	31868.6	32028.2	32177.4
10°	28942.7	28891.2	28738.6	28814.0	28935.8
12.5°	24450.8	24284.4	24281.0	24521.1	24488.5
15°	18521.6	18298.6	18422.1	18362.1	18329.5
17.5°	12455.2	12369.4	12534.1	12484.4	12270.0
20°	8959.8	8982.1	9296.0	9138.2	8947.8
22.5°	6538.0	6618.6	6990.8	6584.3	6435.1
25°	4353.0	4517.6	4908.7	4402.7	4263.8
27.5°	2677.3	2752.8	3149.0	2643.0	2567.5
30°	1665.4	1627.6	1814.6	1557.3	1451.0
32.5°	1092.5	1044.5	1104.5	991.3	905.6
35°	730.6	746.1	699.8	694.6	586.6
37.5°	456.2	524.8	463.1	494.0	377.3
40°	295.0	380.8	327.6	361.9	277.8
42.5°	241.8	293.3	269.3	286.4	247.0
45°	192.1	238.4	238.4	238.4	193.8
47.5°	106.3	159.5	204.1	162.9	113.2
50°	60.0	80.6	157.8	84.0	63.5
52.5°	41.2	46.3	108.1	48.0	42.9
55°	30.9	32.6	58.3	34.3	32.6
57.5°	24.0	25.7	30.9	25.7	24.0
60°	18.9	18.9	22.3	20.6	18.9
62.5°	13.7	13.7	15.4	13.7	13.7
65°	10.3	10.3	10.3	10.3	10.3
67.5°	5.1	6.9	6.9	6.9	6.9
70°	5.1	3.4	3.4	3.4	5.1
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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