

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P773397

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773397
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-EU6DR3070959024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9614.7 lumens
Efficiency: N/A
Efficacy: 97.2 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

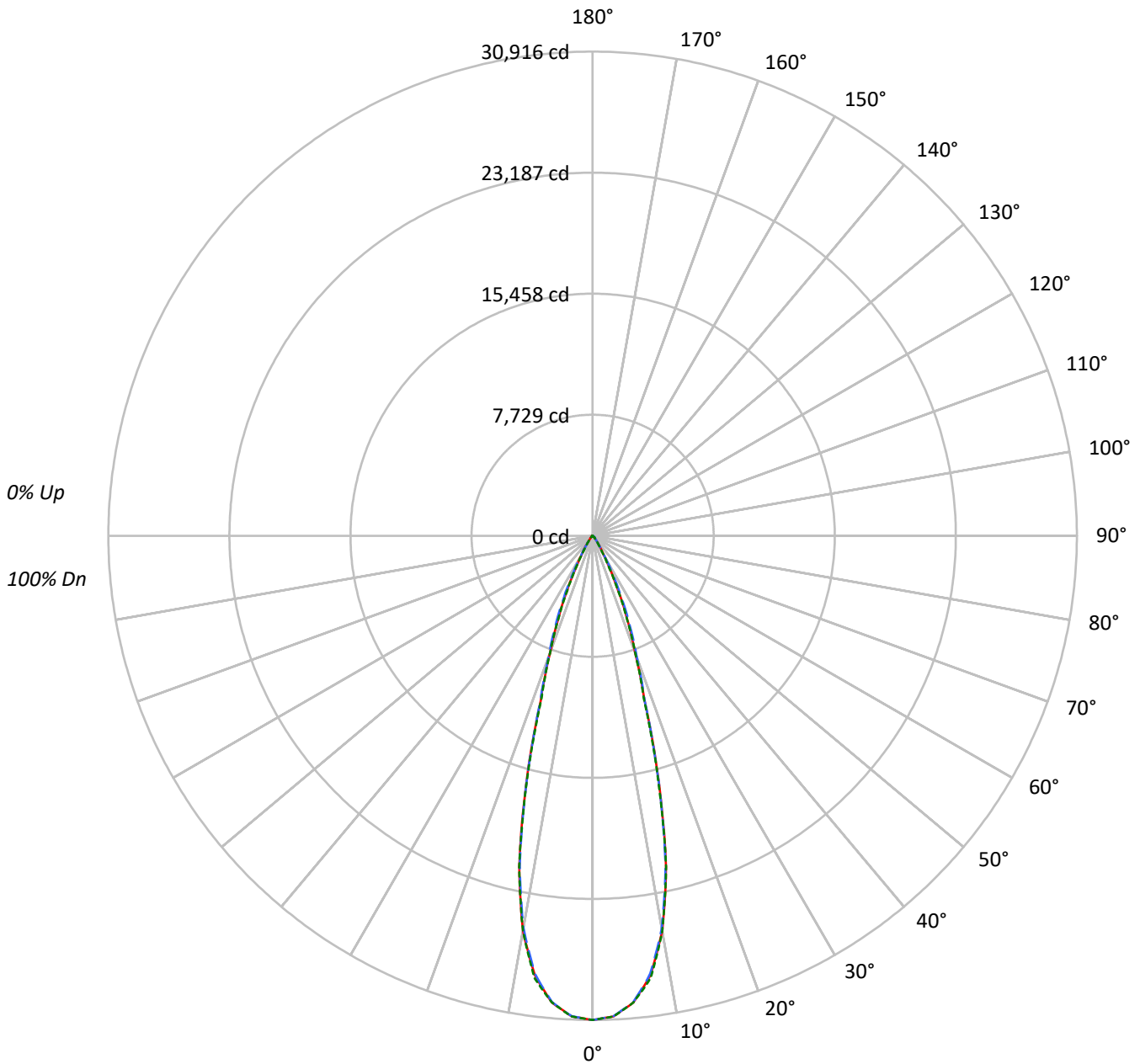


Downlight

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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	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°	2366423	2366423	2366423
5°	2298489	2295807	2298604
10°	1990835	1976798	1990369
15°	1298921	1291947	1285449
20°	645895	670129	645032
25°	325359	366895	318687
30°	130270	141937	113495
35°	60420	57869	48506
40°	26089	28967	24570
45°	18402	22840	18565
50°	6323	16624	6692
55°	3643	6886	3843
60°	2557	3016	2557
65°	1648	1648	1648
70°	1029	671	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22840 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2718.6	28.3
10°-20°	4378.3	45.5
20°-30°	1892.0	19.7
30°-40°	431.2	4.5
40°-50°	148.1	1.5
50°-60°	36.2	0.4
60°-70°	9.4	0.1
70°-80°	1.0	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°	8988.9	93.5
0°-40°	9420.1	98.0
0°-60°	9604.4	99.9
0°-90°	9614.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9614.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30916	30916	30916	30916	30916	
5°	29914	29885	29879	29942	29916	2721
15°	16392	16194	16304	16250	16222	4389
25°	3852	3998	4344	3896	3773	1844
35°	647	660	619	615	519	439
45°	170	211	211	211	172	121
55°	27	29	52	30	29	27
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	30916.1	30916.1	30916.1	30916.1	30916.1
2.5°	30711.2	30689.9	30702.1	30717.2	30723.3
5°	29914.3	29885.4	29879.4	29941.6	29915.8
7.5°	28306.9	28265.9	28203.6	28344.8	28476.9
10°	25614.1	25568.6	25433.5	25500.3	25608.1
12.5°	21638.8	21491.6	21488.6	21701.1	21672.2
15°	16391.5	16194.2	16303.5	16250.4	16221.5
17.5°	11022.8	10946.9	11092.6	11048.6	10858.9
20°	7929.4	7949.1	8226.9	8087.2	7918.8
22.5°	5786.1	5857.5	6186.9	5827.1	5695.1
25°	3852.4	3998.1	4344.2	3896.4	3773.4
27.5°	2369.4	2436.2	2786.8	2339.0	2272.3
30°	1473.9	1440.5	1605.9	1378.2	1284.1
32.5°	966.9	924.4	977.5	877.3	801.4
35°	646.6	660.3	619.3	614.7	519.1
37.5°	403.8	464.5	409.8	437.1	333.9
40°	261.1	337.0	289.9	320.3	245.9
42.5°	214.0	259.6	238.3	253.5	218.6
45°	170.0	211.0	211.0	211.0	171.5
47.5°	94.1	141.2	180.6	144.2	100.2
50°	53.1	71.3	139.6	74.4	56.2
52.5°	36.4	41.0	95.6	42.5	37.9
55°	27.3	28.8	51.6	30.4	28.8
57.5°	21.3	22.8	27.3	22.8	21.3
60°	16.7	16.7	19.7	18.2	16.7
62.5°	12.1	12.1	13.7	12.1	12.1
65°	9.1	9.1	9.1	9.1	9.1
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.0	3.0	3.0	4.6
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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