

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: P773438

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773438  
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-EU6DR3070959035-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10778.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 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<sub>in</sub>): 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

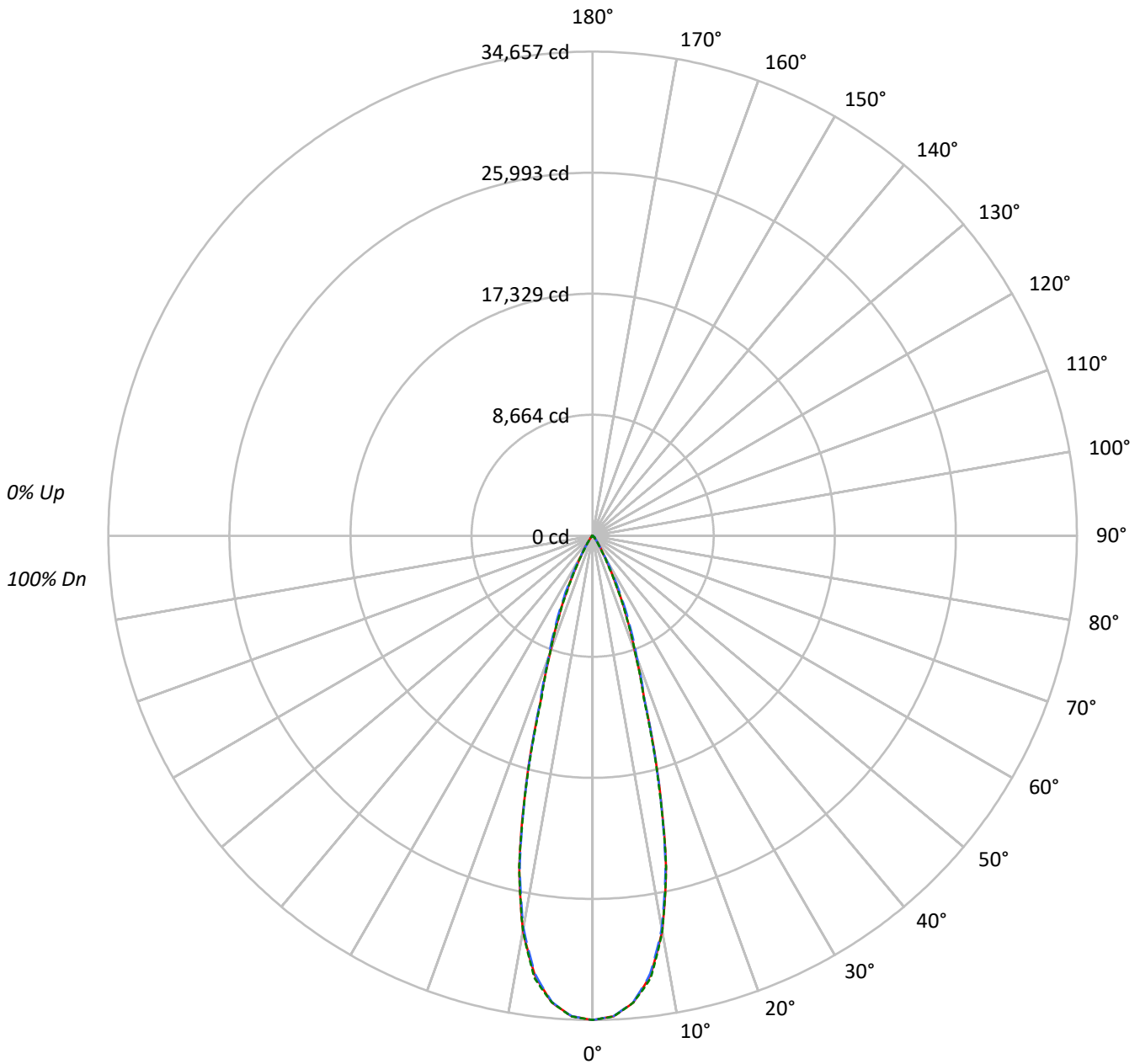


Downlight

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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°	2652734	2652734	2652734
5°	2576580	2573576	2576711
10°	2231711	2215971	2231182
15°	1456077	1448263	1440981
20°	724044	751210	723067
25°	364725	411285	357250
30°	146029	159110	127230
35°	67727	64868	54374
40°	29247	32474	27538
45°	20632	25601	20816
50°	7097	18636	7502
55°	4084	7727	4310
60°	2863	3383	2863
65°	1847	1847	1847
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: 25601 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3047.5	28.3
10°-20°	4908.1	45.5
20°-30°	2120.9	19.7
30°-40°	483.4	4.5
40°-50°	166.0	1.5
50°-60°	40.5	0.4
60°-70°	10.5	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°	10076.5	93.5
0°-40°	10559.9	98.0
0°-60°	10766.4	99.9
0°-90°	10778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10778.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	34657	34657	34657	34657	34657	
5°	33534	33501	33494	33564	33535	3050
15°	18375	18154	18276	18216	18184	4920
25°	4318	4482	4870	4368	4230	2067
35°	725	740	694	689	582	492
45°	191	236	236	236	192	135
55°	31	32	58	34	32	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°	34656.6	34656.6	34656.6	34656.6	34656.6
2.5°	34426.9	34403.1	34416.7	34433.7	34440.5
5°	33533.6	33501.3	33494.5	33564.2	33535.3
7.5°	31731.7	31685.8	31616.0	31774.2	31922.3
10°	28713.2	28662.2	28510.7	28585.6	28706.4
12.5°	24256.9	24091.9	24088.5	24326.7	24294.3
15°	18374.7	18153.5	18276.1	18216.5	18184.2
17.5°	12356.5	12271.4	12434.7	12385.4	12172.7
20°	8888.8	8910.9	9222.3	9065.7	8876.8
22.5°	6486.2	6566.2	6935.4	6532.1	6384.1
25°	4318.5	4481.8	4869.8	4367.8	4230.0
27.5°	2656.1	2730.9	3124.0	2622.0	2547.2
30°	1652.2	1614.7	1800.2	1545.0	1439.5
32.5°	1083.9	1036.2	1095.8	983.5	898.4
35°	724.8	740.2	694.2	689.1	581.9
37.5°	452.6	520.7	459.4	490.0	374.3
40°	292.7	377.7	325.0	359.0	275.6
42.5°	239.9	291.0	267.1	284.2	245.0
45°	190.6	236.5	236.5	236.5	192.3
47.5°	105.5	158.2	202.5	161.6	112.3
50°	59.6	80.0	156.5	83.4	63.0
52.5°	40.8	45.9	107.2	47.6	42.5
55°	30.6	32.3	57.9	34.0	32.3
57.5°	23.8	25.5	30.6	25.5	23.8
60°	18.7	18.7	22.1	20.4	18.7
62.5°	13.6	13.6	15.3	13.6	13.6
65°	10.2	10.2	10.2	10.2	10.2
67.5°	5.1	6.8	6.8	6.8	6.8
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

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)