

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: P771877

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771877  
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: LD6D80BD010-EU6DR3070959035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10541.9 lumens  
Efficiency: N/A  
Efficacy: 133.6 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

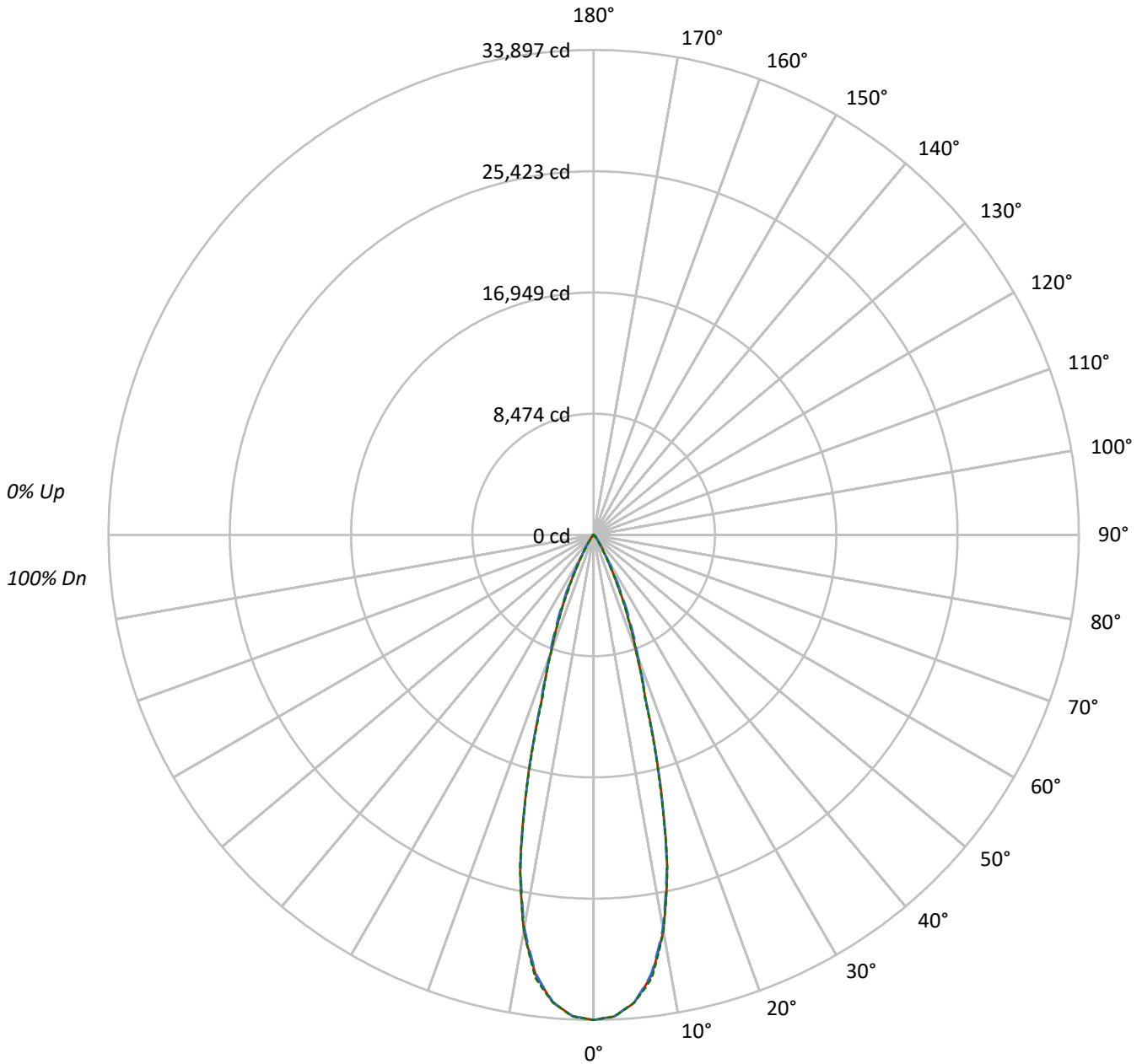
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	2594614	2594614	2594614
5°	2520129	2517194	2520260
10°	2182814	2167425	2182301
15°	1424181	1416534	1409410
20°	708177	734747	707232
25°	356735	402274	349421
30°	142830	155628	124446
35°	66251	63447	53187
40°	28607	31765	26939
45°	20178	25038	20362
50°	6930	18231	7335
55°	4003	7553	4217
60°	2801	3307	2801
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 25038 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2980.8	28.3
10°-20°	4800.5	45.5
20°-30°	2074.4	19.7
30°-40°	472.8	4.5
40°-50°	162.3	1.5
50°-60°	39.7	0.4
60°-70°	10.3	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°	9855.7	93.5
0°-40°	10328.5	98.0
0°-60°	10530.5	99.9
0°-90°	10541.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10541.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33897	33897	33897	33897	33897	
5°	32799	32767	32761	32829	32801	2983
15°	17972	17756	17876	17817	17786	4812
25°	4224	4384	4763	4272	4137	2022
35°	709	724	679	674	569	481
45°	186	231	231	231	188	132
55°	30	32	57	33	32	29
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°	33897.3	33897.3	33897.3	33897.3	33897.3
2.5°	33672.7	33649.4	33662.7	33679.3	33686.0
5°	32798.9	32767.3	32760.7	32828.9	32800.6
7.5°	31036.5	30991.6	30923.3	31078.1	31222.9
10°	28084.1	28034.2	27886.1	27959.3	28077.5
12.5°	23725.5	23564.0	23560.7	23793.7	23762.1
15°	17972.2	17755.8	17875.7	17817.4	17785.8
17.5°	12085.7	12002.5	12162.3	12114.0	11906.0
20°	8694.0	8715.7	9020.2	8867.1	8682.4
22.5°	6344.1	6422.3	6783.5	6389.0	6244.2
25°	4223.9	4383.6	4763.1	4272.1	4137.3
27.5°	2597.9	2671.1	3055.6	2564.6	2491.4
30°	1616.0	1579.4	1760.8	1511.1	1408.0
32.5°	1060.1	1013.5	1071.8	961.9	878.7
35°	709.0	723.9	679.0	674.0	569.2
37.5°	442.7	509.3	449.3	479.3	366.1
40°	286.3	369.5	317.9	351.2	269.6
42.5°	234.7	284.6	261.3	277.9	239.7
45°	186.4	231.3	231.3	231.3	188.1
47.5°	103.2	154.8	198.0	158.1	109.8
50°	58.2	78.2	153.1	81.5	61.6
52.5°	39.9	44.9	104.8	46.6	41.6
55°	30.0	31.6	56.6	33.3	31.6
57.5°	23.3	25.0	30.0	25.0	23.3
60°	18.3	18.3	21.6	20.0	18.3
62.5°	13.3	13.3	15.0	13.3	13.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	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)