

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: P771890

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771890  
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-EU6DR3070959040-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11034.8 lumens  
Efficiency: N/A  
Efficacy: 139.9 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

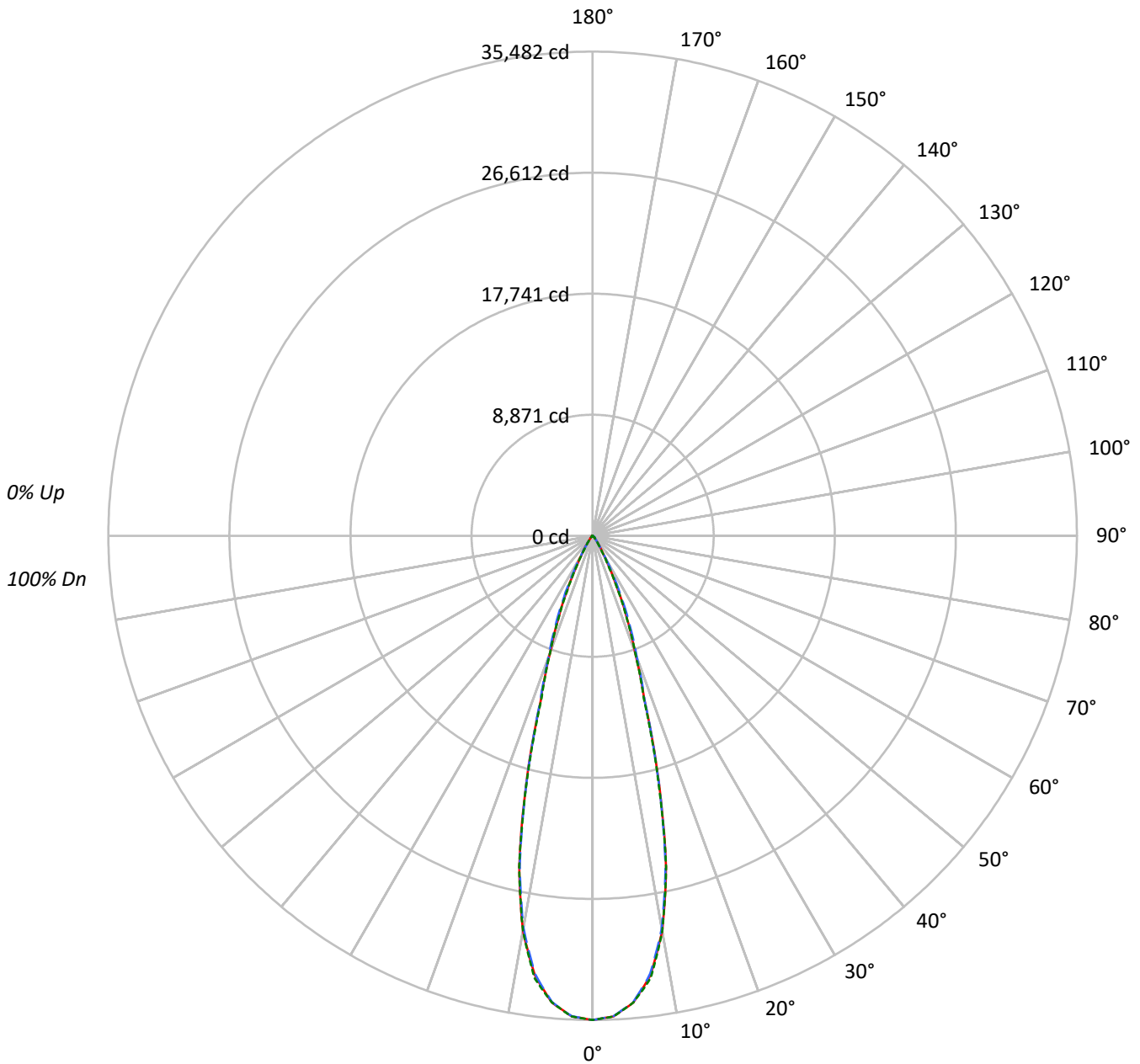
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	2715920	2715920	2715920
5°	2637957	2634876	2638087
10°	2284866	2268754	2284330
15°	1490761	1482758	1475301
20°	741288	769097	740295
25°	373407	421082	365755
30°	149503	162902	130261
35°	69343	66419	55673
40°	29936	33243	28198
45°	21119	26207	21314
50°	7264	19089	7681
55°	4190	7900	4417
60°	2939	3460	2939
65°	1902	1902	1902
70°	1164	783	1164
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 26207 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3120.1	28.3
10°-20°	5025.0	45.5
20°-30°	2171.4	19.7
30°-40°	494.9	4.5
40°-50°	169.9	1.5
50°-60°	41.5	0.4
60°-70°	10.8	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°	10316.5	93.5
0°-40°	10811.4	98.0
0°-60°	11022.9	99.9
0°-90°	11034.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11034.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	35482	35482	35482	35482	35482	
5°	34332	34299	34292	34364	34334	3123
15°	18812	18586	18711	18650	18617	5037
25°	4421	4589	4986	4472	4331	2116
35°	742	758	711	706	596	503
45°	195	242	242	242	197	138
55°	31	33	59	35	33	31
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°	35482.1	35482.1	35482.1	35482.1	35482.1
2.5°	35246.9	35222.6	35236.5	35253.9	35260.9
5°	34332.4	34299.3	34292.3	34363.7	34334.1
7.5°	32487.5	32440.5	32369.1	32531.1	32682.6
10°	29397.1	29344.9	29189.8	29266.5	29390.2
12.5°	24834.7	24665.7	24662.2	24906.1	24873.0
15°	18812.4	18586.0	18711.4	18650.4	18617.3
17.5°	12650.8	12563.7	12730.9	12680.4	12462.6
20°	9100.5	9123.1	9441.9	9281.7	9088.3
22.5°	6640.7	6722.6	7100.6	6687.7	6536.2
25°	4421.3	4588.6	4985.8	4471.8	4330.7
27.5°	2719.3	2796.0	3198.4	2684.5	2607.9
30°	1691.5	1653.2	1843.1	1581.8	1473.8
32.5°	1109.7	1060.9	1121.9	1006.9	919.8
35°	742.1	757.8	710.8	705.5	595.8
37.5°	463.4	533.1	470.4	501.7	383.3
40°	299.6	386.7	332.7	367.6	282.2
42.5°	245.6	297.9	273.5	290.9	250.9
45°	195.1	242.1	242.1	242.1	196.9
47.5°	108.0	162.0	207.3	165.5	115.0
50°	61.0	81.9	160.3	85.4	64.5
52.5°	41.8	47.0	109.7	48.8	43.6
55°	31.4	33.1	59.2	34.8	33.1
57.5°	24.4	26.1	31.4	26.1	24.4
60°	19.2	19.2	22.6	20.9	19.2
62.5°	13.9	13.9	15.7	13.9	13.9
65°	10.5	10.5	10.5	10.5	10.5
67.5°	5.2	7.0	7.0	7.0	7.0
70°	5.2	3.5	3.5	3.5	5.2
72.5°	3.5	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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(END OF REPORT)