

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: P773448

Luminaire Tested: LD6D90BD010-EU6DR3070959040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773448  
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-EU6DR3070959040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11128.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 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

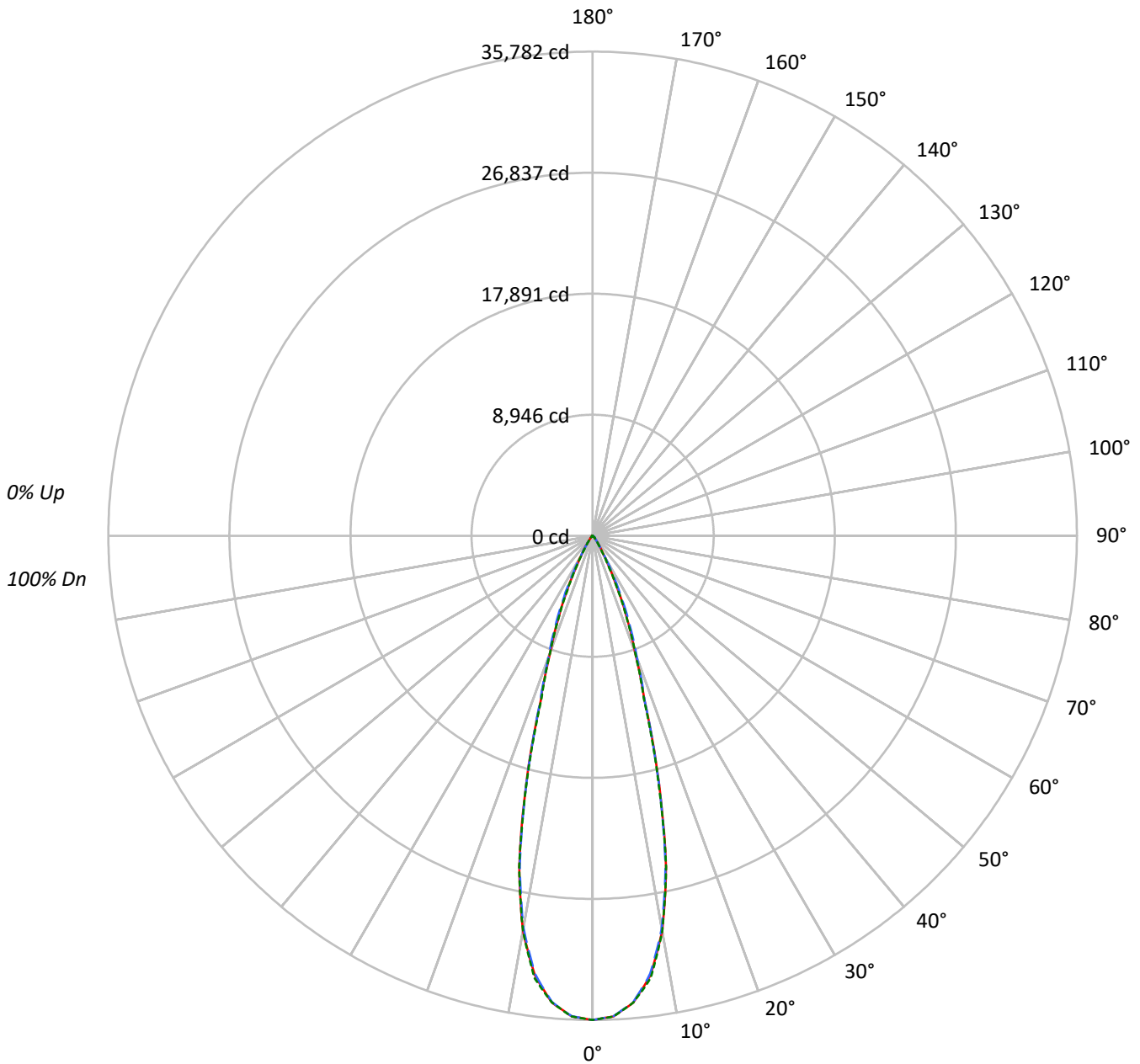


Downlight

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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°	2738860	2738860	2738860
5°	2660231	2657127	2660370
10°	2304165	2287921	2303621
15°	1503353	1495278	1487766
20°	747544	775598	746542
25°	376565	424638	368846
30°	150767	164281	131357
35°	69932	66979	56140
40°	30196	33523	28437
45°	21303	26434	21487
50°	7323	19243	7740
55°	4217	7967	4457
60°	2955	3490	2955
65°	1902	1902	1902
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26434 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3146.5	28.3
10°-20°	5067.4	45.5
20°-30°	2189.8	19.7
30°-40°	499.1	4.5
40°-50°	171.4	1.5
50°-60°	41.9	0.4
60°-70°	10.8	0.1
70°-80°	1.2	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°	10403.6	93.5
0°-40°	10902.7	98.0
0°-60°	11116.0	99.9
0°-90°	11128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11128.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	35782	35782	35782	35782	35782	
5°	34622	34589	34582	34654	34624	3149
15°	18971	18743	18869	18808	18775	5080
25°	4459	4627	5028	4510	4367	2134
35°	748	764	717	712	601	508
45°	197	244	244	244	198	140
55°	32	33	60	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°	35781.8	35781.8	35781.8	35781.8	35781.8
2.5°	35544.6	35520.0	35534.1	35551.7	35558.7
5°	34622.3	34589.0	34581.9	34654.0	34624.1
7.5°	32761.9	32714.5	32642.5	32805.8	32958.7
10°	29645.4	29592.7	29436.4	29513.7	29638.4
12.5°	25044.4	24874.0	24870.5	25116.5	25083.1
15°	18971.3	18742.9	18869.4	18807.9	18774.6
17.5°	12757.6	12669.8	12838.4	12787.5	12567.9
20°	9177.3	9200.2	9521.7	9360.0	9165.0
22.5°	6696.8	6779.4	7160.6	6744.2	6591.4
25°	4458.7	4627.3	5027.9	4509.6	4367.3
27.5°	2742.3	2819.6	3225.4	2707.2	2629.9
30°	1705.8	1667.2	1858.7	1595.1	1486.2
32.5°	1119.1	1069.9	1131.4	1015.4	927.6
35°	748.4	764.2	716.8	711.5	600.8
37.5°	467.3	537.6	474.3	505.9	386.5
40°	302.2	390.0	335.5	370.7	284.6
42.5°	247.7	300.4	275.8	293.4	253.0
45°	196.8	244.2	244.2	244.2	198.5
47.5°	108.9	163.4	209.1	166.9	115.9
50°	61.5	82.6	161.6	86.1	65.0
52.5°	42.2	47.4	110.7	49.2	43.9
55°	31.6	33.4	59.7	35.1	33.4
57.5°	24.6	26.4	31.6	26.4	24.6
60°	19.3	19.3	22.8	21.1	19.3
62.5°	14.1	14.1	15.8	14.1	14.1
65°	10.5	10.5	10.5	10.5	10.5
67.5°	5.3	7.0	7.0	7.0	7.0
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)