

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: P763821

Luminaire Tested: LD6D30D010-EU6DR1515309030-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763821  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D30D010-EU6DR1515309030-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2947.3 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 29  
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

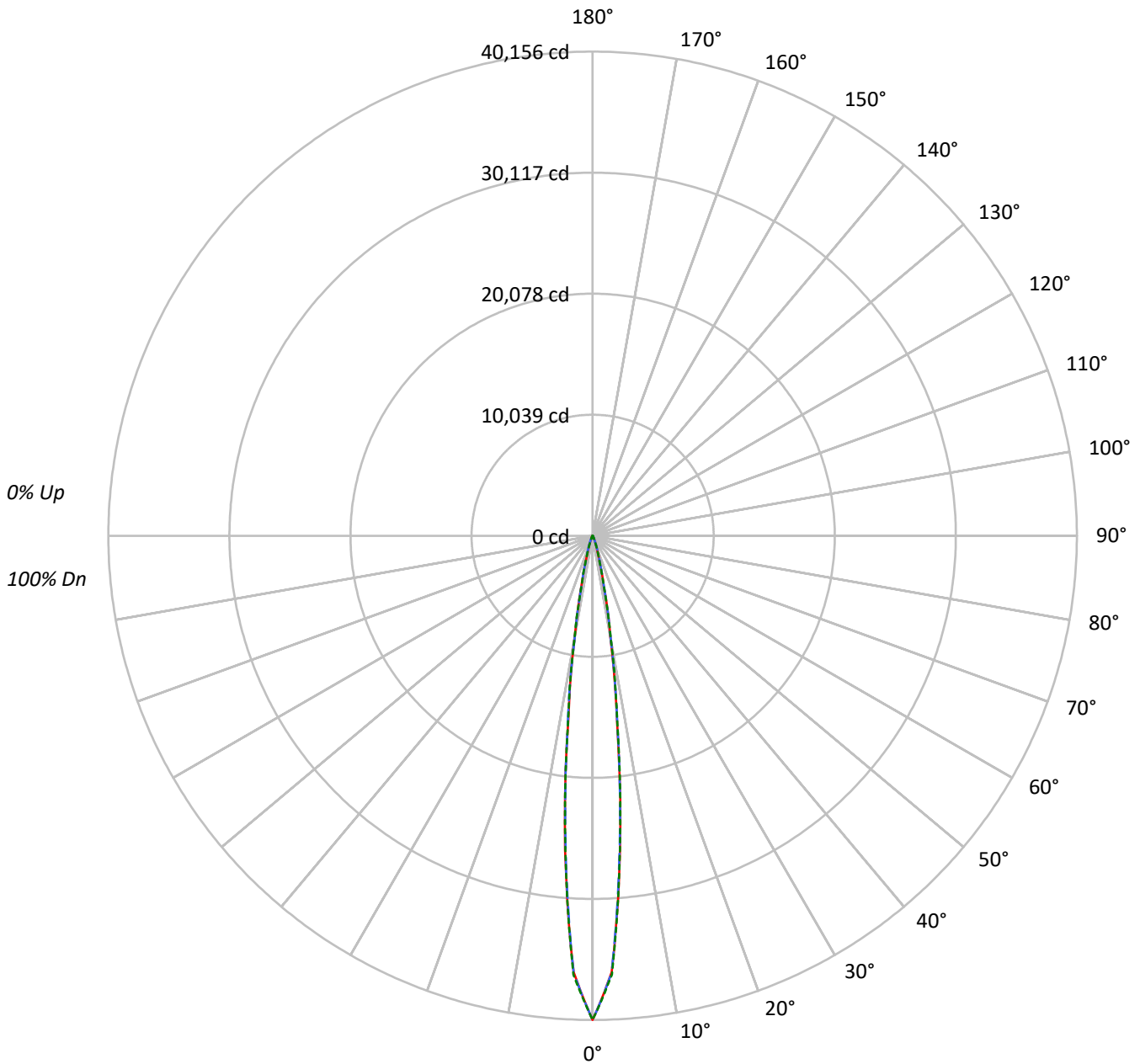


Downlight



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4518340	4518340	4518340
5°	2655187	2620806	2641538
10°	792452	798004	810218
15°	197113	200952	194750
20°	58978	68297	60230
25°	20792	26486	21057
30°	7638	10057	7765
35°	3827	4321	3704
40°	2414	2656	2414
45°	1785	1904	1785
50°	1419	1419	1419
55°	1183	1183	1183
60°	955	955	955
65°	728	728	728
70°	622	622	622
75°	385	385	514
80°	268	268	268
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1904 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1911.5	64.9
10°-20°	786.3	26.7
20°-30°	156.2	5.3
30°-40°	39.0	1.3
40°-50°	20.5	0.7
50°-60°	15.2	0.5
60°-70°	10.7	0.4
70°-80°	6.1	0.2
80°-90°	1.8	0.1
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°	2853.9	96.8
0°-40°	2892.9	98.2
0°-60°	2928.6	99.4
0°-90°	2947.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2947.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	40156	40156	40156	40156	40156	
5°	26126	25858	25788	25966	25992	1908
15°	2269	2312	2314	2273	2242	778
25°	267	303	340	301	270	140
35°	53	56	60	56	51	36
45°	26	26	27	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	40155.9	40155.9	40155.9	40155.9	40155.9
2.5°	36222.2	36252.8	36264.7	36300.4	36433.0
5°	26126.3	25857.7	25788.0	25966.5	25992.0
7.5°	15476.2	15530.6	15729.5	15773.7	15613.9
10°	8492.9	8562.6	8552.4	8613.6	8683.3
12.5°	4343.3	4288.9	4271.9	4341.6	4244.7
15°	2269.4	2311.9	2313.6	2272.8	2242.2
17.5°	1220.6	1269.9	1351.4	1285.2	1183.2
20°	720.8	765.0	834.7	780.3	736.1
22.5°	445.4	481.1	530.4	487.9	452.2
25°	266.9	302.6	340.0	300.9	270.3
27.5°	158.1	188.7	212.5	187.0	156.4
30°	102.0	119.0	134.3	117.3	103.7
32.5°	71.4	78.2	85.0	78.2	71.4
35°	52.7	56.1	59.5	56.1	51.0
37.5°	40.8	44.2	45.9	42.5	39.1
40°	34.0	35.7	37.4	35.7	34.0
42.5°	28.9	30.6	30.6	30.6	28.9
45°	25.5	25.5	27.2	25.5	25.5
47.5°	22.1	22.1	23.8	22.1	22.1
50°	20.4	20.4	20.4	20.4	20.4
52.5°	18.7	18.7	18.7	18.7	18.7
55°	17.0	17.0	17.0	17.0	17.0
57.5°	15.3	15.3	15.3	15.3	15.3
60°	13.6	13.6	13.6	13.6	13.6
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.2	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2	10.2
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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)