

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: P763938

Luminaire Tested: LD6D30D010-EU6DR2015309050-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D30D010-EU6DR2015309050-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3383.8 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
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

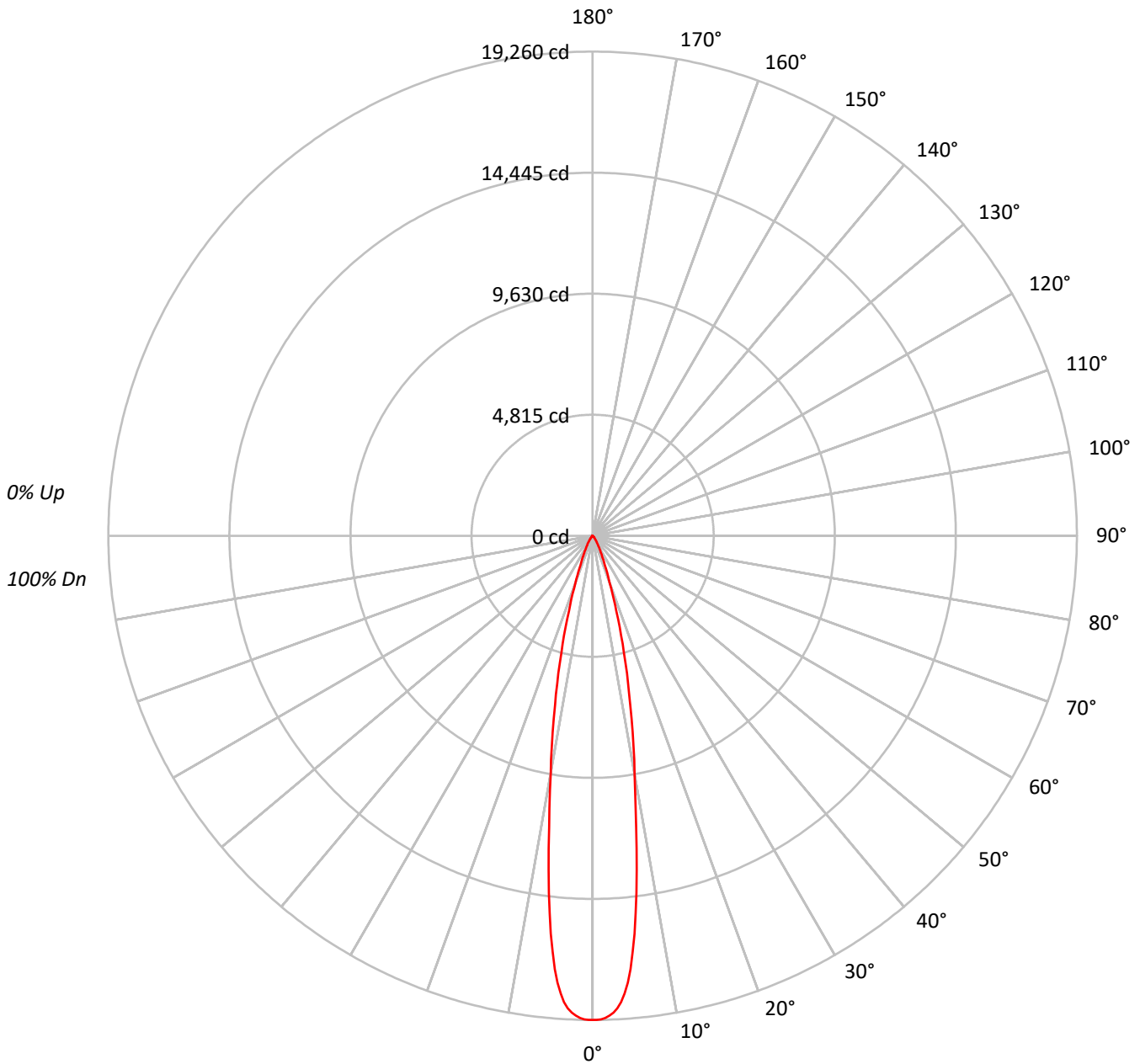


Downlight



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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				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97	94															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	95	93	92	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	93	91	89	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	91	88	86	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	88	86	84	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	86	84	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	82	80	78	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	81	78	76	75															

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

	0°
0°	2104351
5°	1898517
10°	1065550
15°	541640
20°	229325
25°	105860
30°	56042
35°	30198
40°	16146
45°	9534
50°	5541
55°	2934
60°	1879
65°	1319
70°	543
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9534 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1371.3	40.5
10°-20°	1350.3	39.9
20°-30°	441.1	13.0
30°-40°	150.2	4.4
40°-50°	50.5	1.5
50°-60°	15.2	0.4
60°-70°	5.1	0.1
70°-80°	0.2	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°	3162.7	93.5
0°-40°	3312.8	97.9
0°-60°	3378.5	99.8
0°-90°	3383.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3383.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19260	
5°	17310	###
15°	4788	1350
25°	878	441
35°	226	150
45°	62	50
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19259.9
0.5°	19259.9
1°	19235.9
1.5°	19187.9
2°	19100.4
2.5°	18983.8
3°	18819.1
3.5°	18589.3
4°	18248.0
4.5°	17833.0
5°	17309.9
5.5°	16622.2
6°	15917.3
6.5°	15109.5
7°	14318.9
7.5°	13392.8
8°	12566.1
8.5°	11734.3
9°	10966.0
9.5°	10261.1
10°	9604.2
12.5°	6896.2
15°	4788.4
17.5°	3128.2
20°	1972.3
22.5°	1277.7
25°	878.1
27.5°	617.4
30°	444.2
32.5°	319.0
35°	226.4
37.5°	157.8
40°	113.2
42.5°	82.3
45°	61.7
47.5°	48.0
50°	32.6
52.5°	20.6
55°	15.4
57.5°	12.0
60°	8.6
62.5°	6.9
65°	5.1



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



Signify Classified - Internal  
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Scaled Data Report





— 0°-180°

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Scaled Data Report



67.5°	3.4
70°	1.7

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Scaled Data Report



(END OF REPORT)