

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: P791751

Luminaire Tested: LER6D30D010-EC6DR7020359050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR7020359050-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3502.3 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

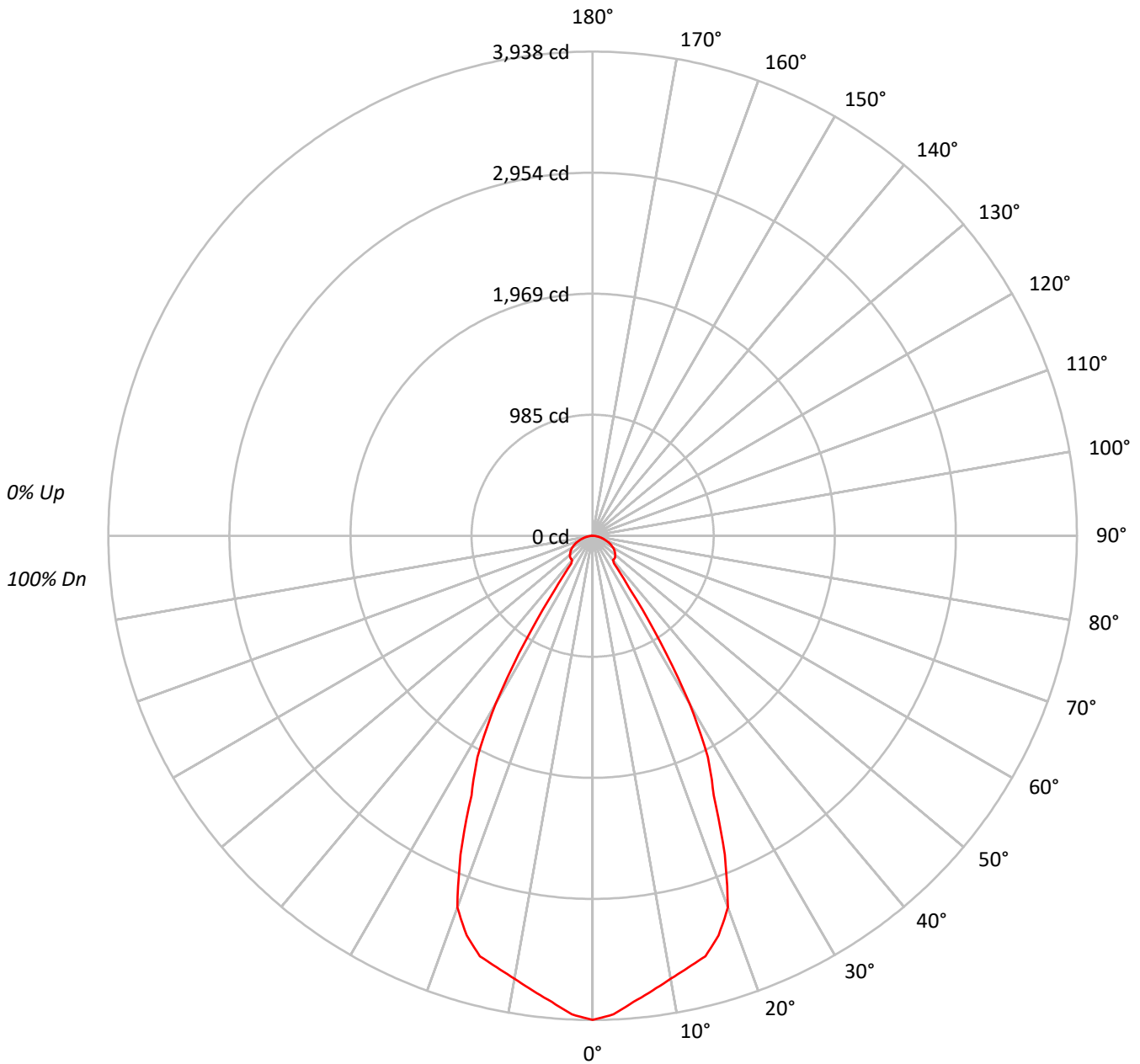
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	430225
5°	417435
10°	405808
15°	400473
20°	373968
25°	280943
30°	198607
35°	70346
40°	36984
45°	39402
50°	40795
55°	41565
60°	41825
65°	40952
70°	38622
75°	35798
80°	31775
85°	25825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 41829 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.0	10.3
10°-20°	984.7	28.1
20°-30°	1084.5	31.0
30°-40°	414.4	11.8
40°-50°	195.7	5.6
50°-60°	194.5	5.6
60°-70°	155.7	4.4
70°-80°	89.5	2.6
80°-90°	24.3	0.7
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°	2428.2	69.3
0°-40°	2842.5	81.2
0°-60°	3232.7	92.3
0°-90°	3502.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3502.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3938	
5°	3806	359
15°	3540	985
25°	2330	1085
35°	527	414
45°	255	196
55°	218	194
65°	158	156
75°	85	89
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3937.6
2.5°	3896.4
5°	3806.0
7.5°	3730.6
10°	3657.7
12.5°	3595.9
15°	3540.4
17.5°	3406.4
20°	3216.3
22.5°	2806.1
25°	2330.4
27.5°	2028.6
30°	1574.2
32.5°	1016.8
35°	527.4
37.5°	284.9
40°	259.3
42.5°	257.5
45°	255.0
47.5°	249.4
50°	240.0
52.5°	229.4
55°	218.2
57.5°	205.7
60°	191.4
62.5°	175.2
65°	158.4
67.5°	139.6
70°	120.9
72.5°	102.2
75°	84.8
77.5°	66.7
80°	50.5
82.5°	35.5
85°	20.6
87.5°	8.1
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)