

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: P791735

Luminaire Tested: LER6D30D010-EC6DR7020359035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791735
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-EC6DR7020359035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3448.7 lumens
Efficiency: N/A
Efficacy: 118.9 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

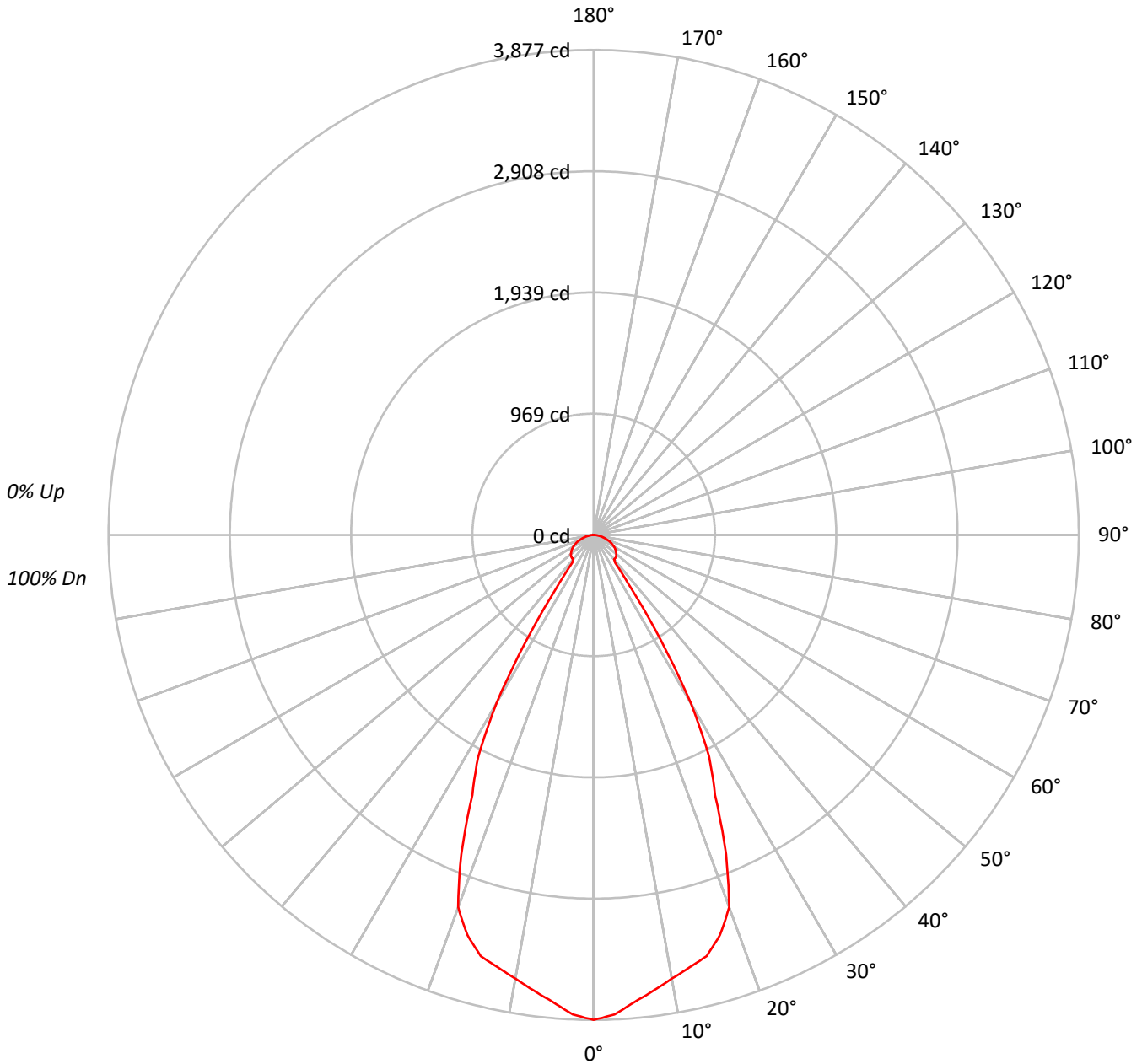
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	423648
5°	411052
10°	399595
15°	394353
20°	368248
25°	276640
30°	195566
35°	69279
40°	36428
45°	38799
50°	40166
55°	40936
60°	41191
65°	40305
70°	38047
75°	35250
80°	31272
85°	25449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 41199 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	10.3
10°-20°	969.6	28.1
20°-30°	1067.9	31.0
30°-40°	408.0	11.8
40°-50°	192.7	5.6
50°-60°	191.5	5.6
60°-70°	153.3	4.4
70°-80°	88.1	2.6
80°-90°	24.0	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°	2391.0	69.3
0°-40°	2799.1	81.2
0°-60°	3183.3	92.3
0°-90°	3448.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3448.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3877	
5°	3748	353
15°	3486	970
25°	2295	1068
35°	519	408
45°	251	193
55°	215	192
65°	156	153
75°	84	88
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3877.4
2.5°	3836.8
5°	3747.8
7.5°	3673.5
10°	3601.7
12.5°	3540.9
15°	3486.3
17.5°	3354.3
20°	3167.1
22.5°	2763.1
25°	2294.7
27.5°	1997.6
30°	1550.1
32.5°	1001.3
35°	519.4
37.5°	280.5
40°	255.4
42.5°	253.5
45°	251.1
47.5°	245.6
50°	236.3
52.5°	225.9
55°	214.9
57.5°	202.6
60°	188.5
62.5°	172.5
65°	155.9
67.5°	137.5
70°	119.1
72.5°	100.7
75°	83.5
77.5°	65.7
80°	49.7
82.5°	35.0
85°	20.3
87.5°	8.0
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)