

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: P791624

Luminaire Tested: LER6D30D010-EC6DR6020359027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6020359027-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5402.4 lumens
Efficiency: N/A
Efficacy: 186.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

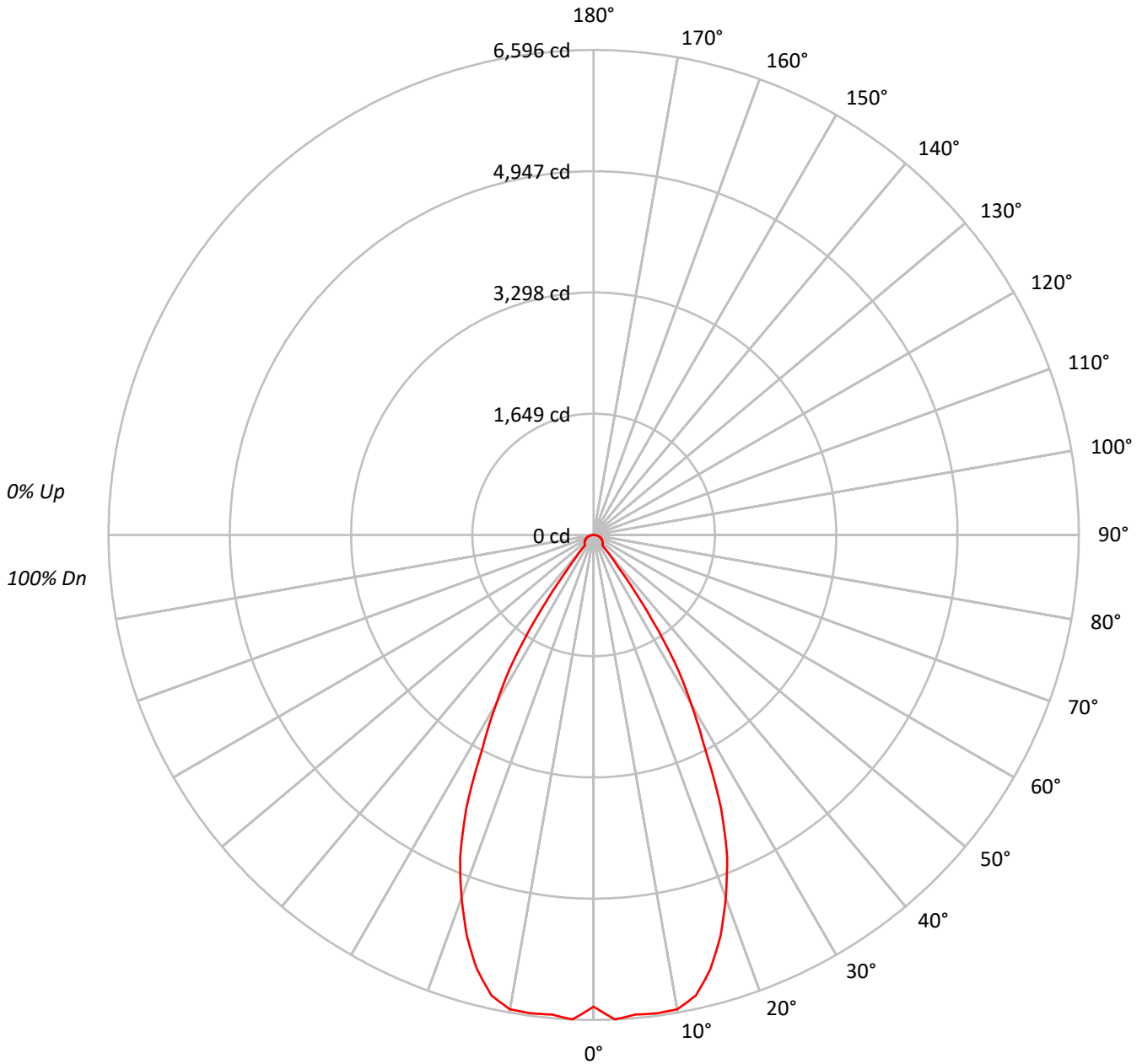
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	701017
5°	718249
10°	726931
15°	692502
20°	610572
25°	493845
30°	334043
35°	167395
40°	27157
45°	26577
50°	27112
55°	27526
60°	28277
65°	28930
70°	29614
75°	29973
80°	28881
85°	24070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29973 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.9	11.6
10°-20°	1693.4	31.3
20°-30°	1822.0	33.7
30°-40°	792.0	14.7
40°-50°	133.0	2.5
50°-60°	129.3	2.4
60°-70°	110.6	2.0
70°-80°	74.0	1.4
80°-90°	22.2	0.4
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°	4141.3	76.7
0°-40°	4933.2	91.3
0°-60°	5195.6	96.2
0°-90°	5402.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5402.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6416	
5°	6549	626
15°	6122	1693
25°	4096	1822
35°	1255	792
45°	172	133
55°	144	129
65°	112	111
75°	71	74
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6416.0
2.5°	6596.3
5°	6548.7
7.5°	6563.8
10°	6552.1
12.5°	6416.8
15°	6122.1
17.5°	5726.3
20°	5251.2
22.5°	4742.7
25°	4096.4
27.5°	3276.5
30°	2647.7
32.5°	2040.7
35°	1255.0
37.5°	536.9
40°	190.4
42.5°	175.3
45°	172.0
47.5°	166.2
50°	159.5
52.5°	152.0
55°	144.5
57.5°	136.9
60°	129.4
62.5°	121.1
65°	111.9
67.5°	102.7
70°	92.7
72.5°	81.8
75°	71.0
77.5°	58.4
80°	45.9
82.5°	32.6
85°	19.2
87.5°	6.7
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)