

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: P791633

Luminaire Tested: LER6D30D010-EC6DR6020359030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791633
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-EC6DR6020359030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5857.2 lumens
Efficiency: N/A
Efficacy: 202.0 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

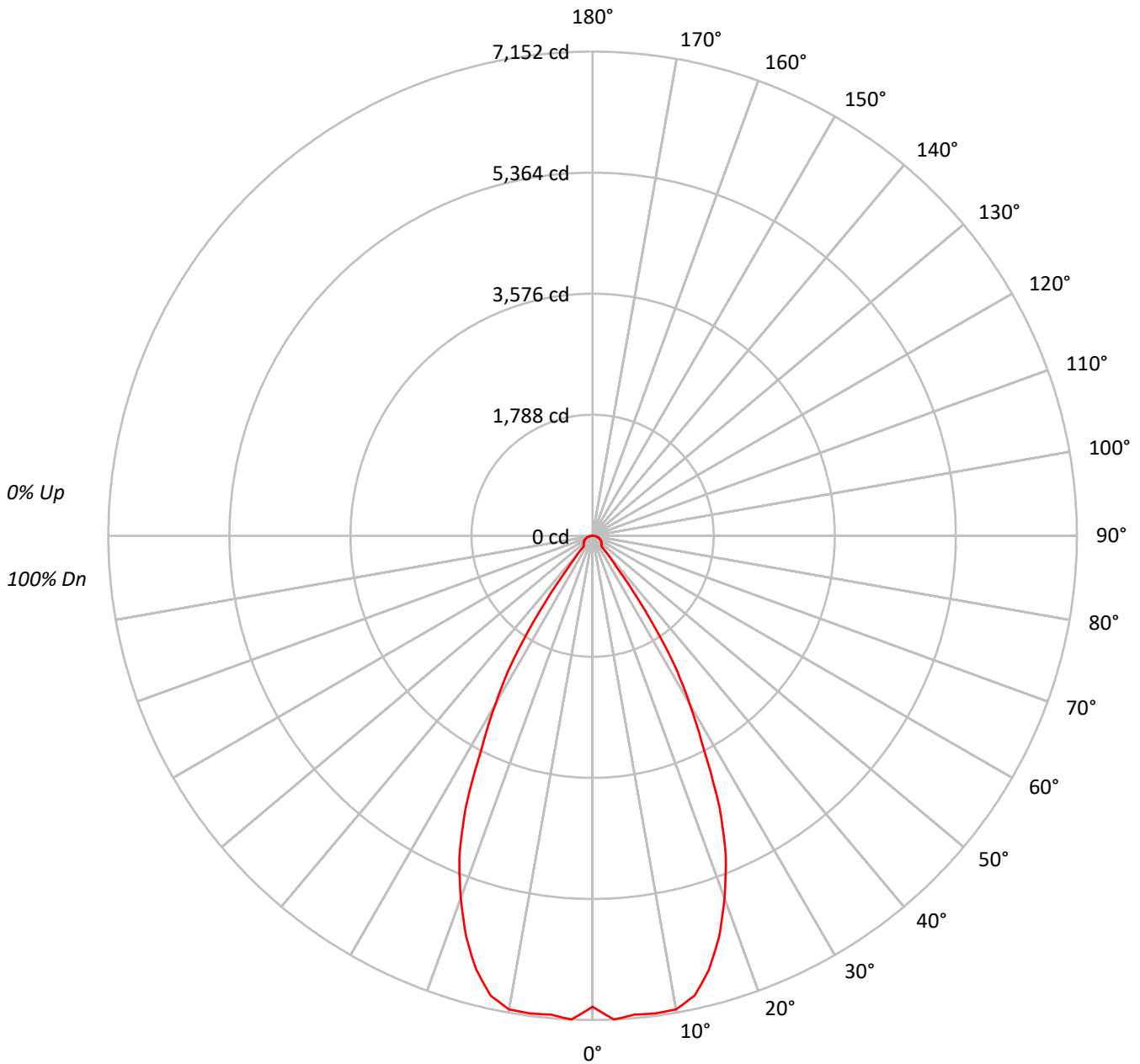
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	760029
5°	778726
10°	788129
15°	750801
20°	661976
25°	535425
30°	362165
35°	181481
40°	29439
45°	28818
50°	29389
55°	29831
60°	30659
65°	31360
70°	32105
75°	32463
80°	31335
85°	26075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32463 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.6	11.6
10°-20°	1836.0	31.3
20°-30°	1975.4	33.7
30°-40°	858.6	14.7
40°-50°	144.2	2.5
50°-60°	140.2	2.4
60°-70°	119.9	2.0
70°-80°	80.2	1.4
80°-90°	24.0	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°	4489.9	76.7
0°-40°	5348.5	91.3
0°-60°	5633.0	96.2
0°-90°	5857.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5857.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6956	
5°	7100	679
15°	6638	1836
25°	4441	1975
35°	1361	859
45°	186	144
55°	157	140
65°	121	120
75°	77	80
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6956.1
2.5°	7151.7
5°	7100.1
7.5°	7116.4
10°	7103.7
12.5°	6957.0
15°	6637.5
17.5°	6208.4
20°	5693.3
22.5°	5142.0
25°	4441.3
27.5°	3552.3
30°	2870.6
32.5°	2212.5
35°	1360.6
37.5°	582.1
40°	206.4
42.5°	190.1
45°	186.5
47.5°	180.1
50°	172.9
52.5°	164.8
55°	156.6
57.5°	148.5
60°	140.3
62.5°	131.3
65°	121.3
67.5°	111.3
70°	100.5
72.5°	88.7
75°	76.9
77.5°	63.4
80°	49.8
82.5°	35.3
85°	20.8
87.5°	7.2
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

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— 0°-180°

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