

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: P791257

Luminaire Tested: LER6D30D010-EC6DR2015309035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791257
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: LER6D30D010-EC6DR2015309035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3743.5 lumens
Efficiency: N/A
Efficacy: 129.1 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

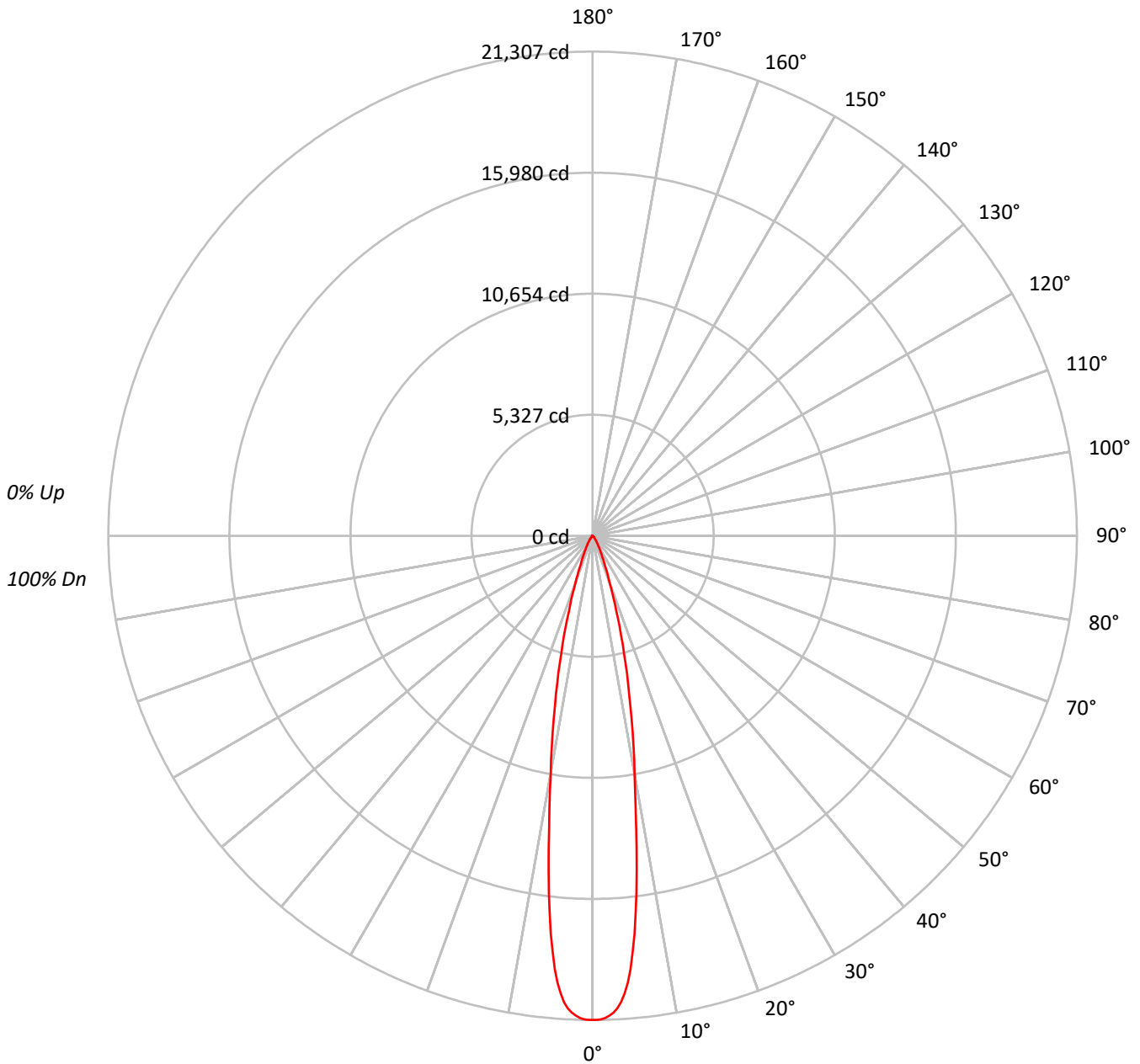
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2328030
5°	2100325
10°	1178815
15°	599216
20°	253696
25°	117108
30°	61997
35°	33399
40°	17857
45°	10554
50°	6119
55°	3257
60°	2076
65°	1474
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1517.0	40.5
10°-20°	1493.8	39.9
20°-30°	488.0	13.0
30°-40°	166.1	4.4
40°-50°	55.9	1.5
50°-60°	16.8	0.4
60°-70°	5.6	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°	3498.8	93.5
0°-40°	3665.0	97.9
0°-60°	3737.6	99.8
0°-90°	3743.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3743.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21307	
5°	19150	###
15°	5297	1494
25°	971	488
35°	250	166
45°	68	56
55°	17	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21307.1
0.5°	21307.1
1°	21280.6
1.5°	21227.5
2°	21130.7
2.5°	21001.7
3°	20819.5
3.5°	20565.3
4°	20187.7
4.5°	19728.6
5°	19149.9
5.5°	18389.0
6°	17609.2
6.5°	16715.6
7°	15840.9
7.5°	14816.3
8°	13901.8
8.5°	12981.6
9°	12131.6
9.5°	11351.8
10°	10625.1
12.5°	7629.2
15°	5297.4
17.5°	3460.7
20°	2181.9
22.5°	1413.5
25°	971.4
27.5°	683.0
30°	491.4
32.5°	352.9
35°	250.4
37.5°	174.6
40°	125.2
42.5°	91.1
45°	68.3
47.5°	53.1
50°	36.0
52.5°	22.8
55°	17.1
57.5°	13.3
60°	9.5
62.5°	7.6
65°	5.7



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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

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— 0°-180°

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67.5°	3.8
70°	1.9

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(END OF REPORT)