

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: P789241

Luminaire Tested: LER6D10D010-EC6DR600210IC9027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789241
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: LER6D10D010-EC6DR600210IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1849.9 lumens
Efficiency: N/A
Efficacy: 158.1 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

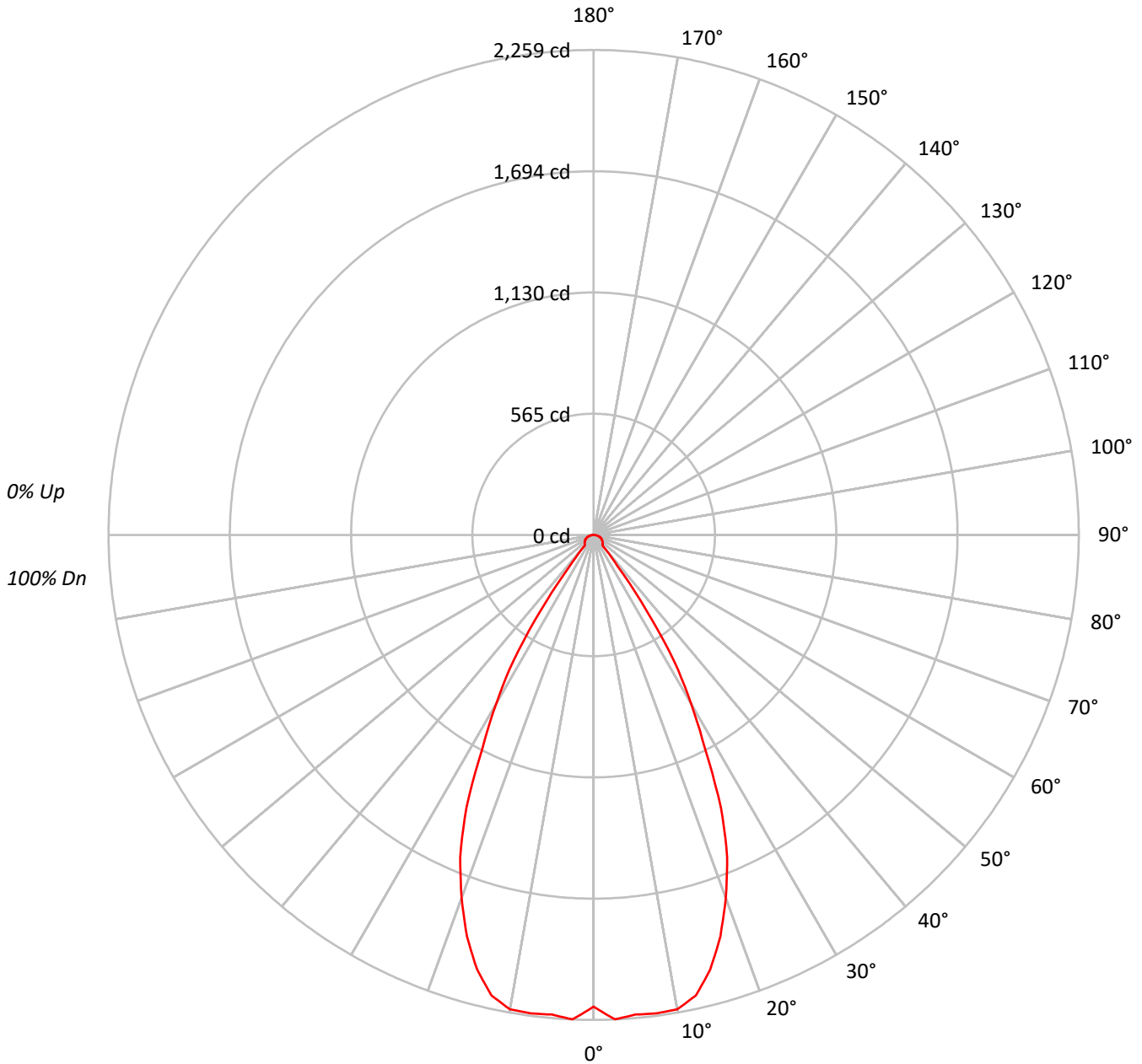
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	240046
5°	245942
10°	248919
15°	237123
20°	209070
25°	169104
30°	114380
35°	57315
40°	9299
45°	9101
50°	9281
55°	9429
60°	9681
65°	9902
70°	10127
75°	10258
80°	9879
85°	8274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 10258 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	11.6
10°-20°	579.9	31.3
20°-30°	623.9	33.7
30°-40°	271.2	14.7
40°-50°	45.5	2.5
50°-60°	44.3	2.4
60°-70°	37.9	2.0
70°-80°	25.3	1.4
80°-90°	7.6	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°	1418.0	76.7
0°-40°	1689.2	91.3
0°-60°	1779.0	96.2
0°-90°	1849.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2197	
5°	2242	214
15°	2096	580
25°	1403	624
35°	430	271
45°	59	46
55°	50	44
65°	38	38
75°	24	25
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2197.0
2.5°	2258.7
5°	2242.4
7.5°	2247.6
10°	2243.6
12.5°	2197.2
15°	2096.3
17.5°	1960.8
20°	1798.1
22.5°	1624.0
25°	1402.7
27.5°	1121.9
30°	906.6
32.5°	698.8
35°	429.7
37.5°	183.8
40°	65.2
42.5°	60.0
45°	58.9
47.5°	56.9
50°	54.6
52.5°	52.0
55°	49.5
57.5°	46.9
60°	44.3
62.5°	41.5
65°	38.3
67.5°	35.2
70°	31.7
72.5°	28.0
75°	24.3
77.5°	20.0
80°	15.7
82.5°	11.2
85°	6.6
87.5°	2.3
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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(END OF REPORT)