

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: P789172

Luminaire Tested: LER6D10D010-EC6DR500210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR500210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.9 lumens
Efficiency: N/A
Efficacy: 183.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

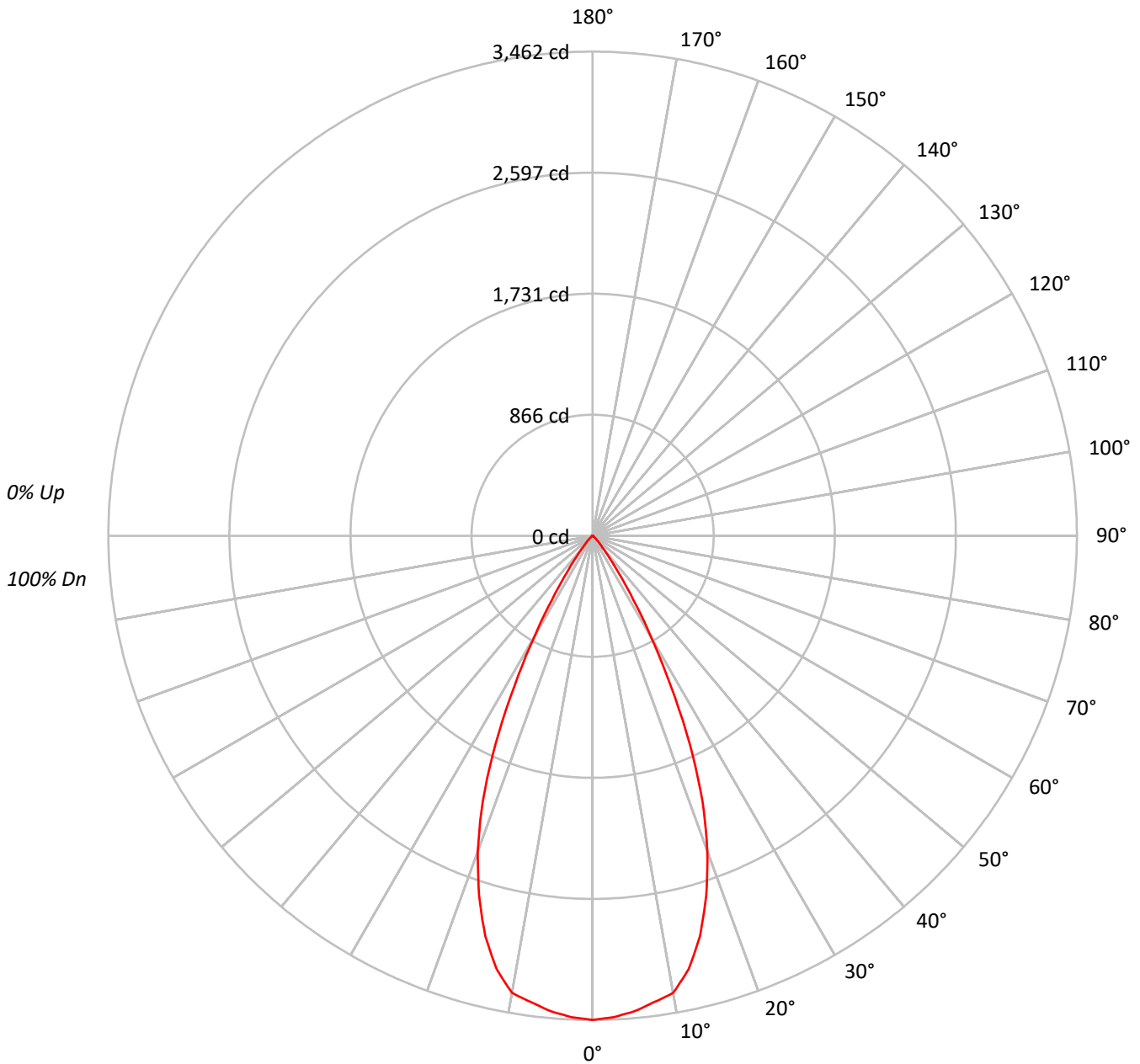
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95	
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85	
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80	
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76	
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72	
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69	
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65	
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62	
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378304
5°	374342
10°	368175
15°	335250
20°	278973
25°	198025
30°	104817
35°	42709
40°	15860
45°	7262
50°	2975
55°	1562
60°	765
65°	233
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	15.0
10°-20°	815.3	37.9
20°-30°	732.4	34.1
30°-40°	229.3	10.7
40°-50°	40.1	1.9
50°-60°	8.0	0.4
60°-70°	1.2	0.1
70°-80°	0.0	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°	1870.3	87.0
0°-40°	2099.5	97.7
0°-60°	2147.7	99.9
0°-90°	2148.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2148.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3462	
5°	3413	323
15°	2964	815
25°	1643	732
35°	320	229
45°	47	40
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3462.4
2.5°	3445.2
5°	3413.1
7.5°	3364.1
10°	3318.5
12.5°	3172.6
15°	2963.8
17.5°	2698.8
20°	2399.3
22.5°	2052.8
25°	1642.6
27.5°	1207.7
30°	830.8
32.5°	540.9
35°	320.2
37.5°	183.9
40°	111.2
42.5°	72.4
45°	47.0
47.5°	28.6
50°	17.5
52.5°	12.0
55°	8.2
57.5°	5.5
60°	3.5
62.5°	2.0
65°	0.9
67.5°	0.3
70°	0.0
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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