

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: P794081

Luminaire Tested: LER6D55D010-EC6DR6555659030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR6555659030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5990.6 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

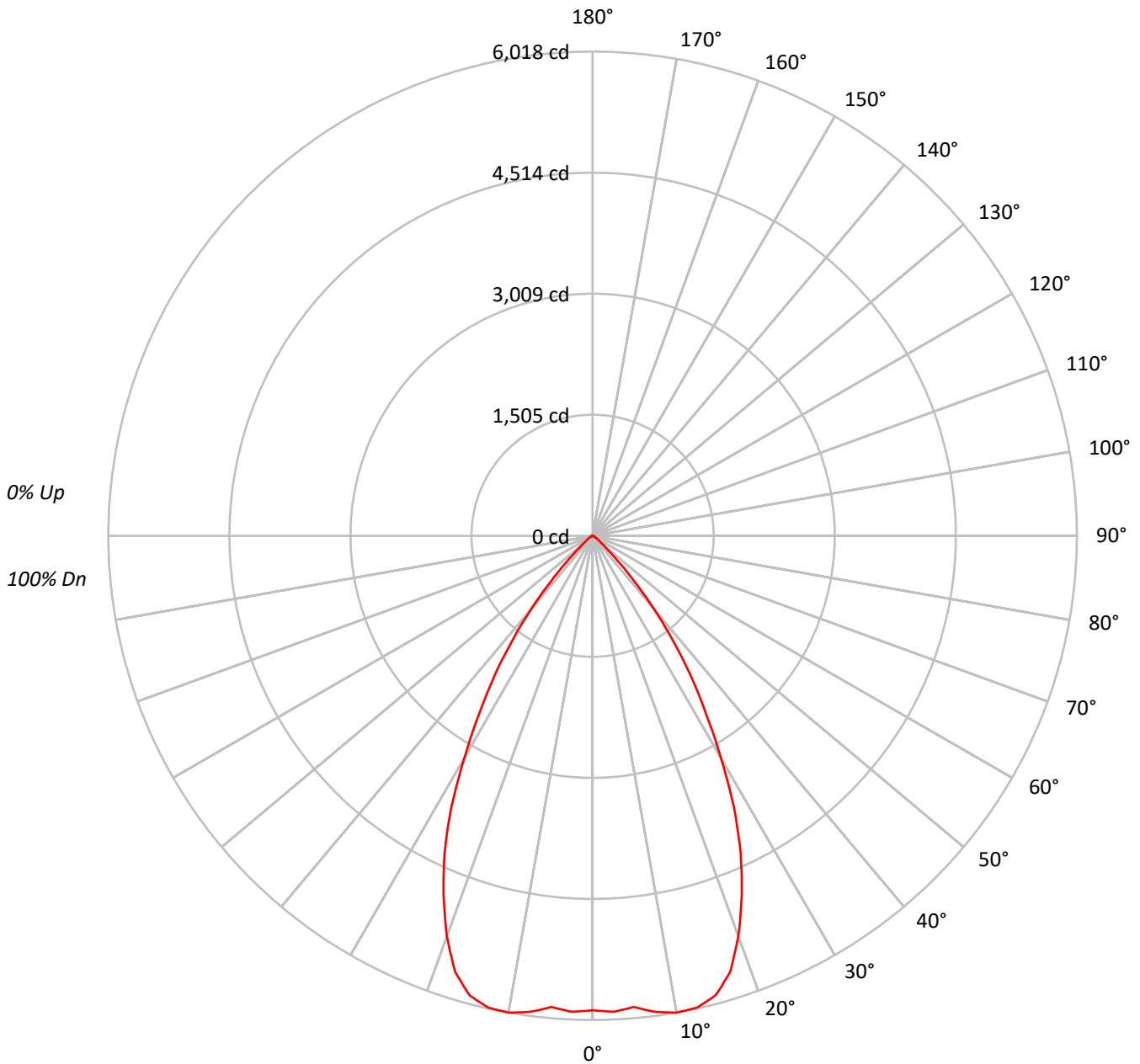
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	644442
5°	644973
10°	667675
15°	668781
20°	615723
25°	524635
30°	401629
35°	283745
40°	167490
45°	67988
50°	24647
55°	13734
60°	7867
65°	4343
70°	4536
75°	3546
80°	3712
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67988 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.9	9.5
10°-20°	1638.3	27.3
20°-30°	1965.6	32.8
30°-40°	1321.0	22.1
40°-50°	395.4	6.6
50°-60°	69.8	1.2
60°-70°	19.8	0.3
70°-80°	9.7	0.2
80°-90°	3.1	0.1
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°	4171.8	69.6
0°-40°	5492.8	91.7
0°-60°	5958.0	99.5
0°-90°	5990.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5990.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5898	
5°	5881	568
15°	5912	1638
25°	4352	1966
35°	2127	1321
45°	440	395
55°	72	70
65°	17	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5898.2
2.5°	5923.3
5°	5880.6
7.5°	5969.4
10°	6018.0
12.5°	6006.3
15°	5912.4
17.5°	5682.8
20°	5295.5
22.5°	4839.6
25°	4351.8
27.5°	3801.1
30°	3183.4
32.5°	2623.5
35°	2127.3
37.5°	1636.9
40°	1174.3
42.5°	766.9
45°	440.0
47.5°	233.0
50°	145.0
52.5°	100.6
55°	72.1
57.5°	52.0
60°	36.0
62.5°	23.5
65°	16.8
67.5°	15.1
70°	14.2
72.5°	10.9
75°	8.4
77.5°	7.5
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
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)