

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: P770131

Luminaire Tested: LD6D65D010-EU6DR7055659027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR7055659027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8146.7 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

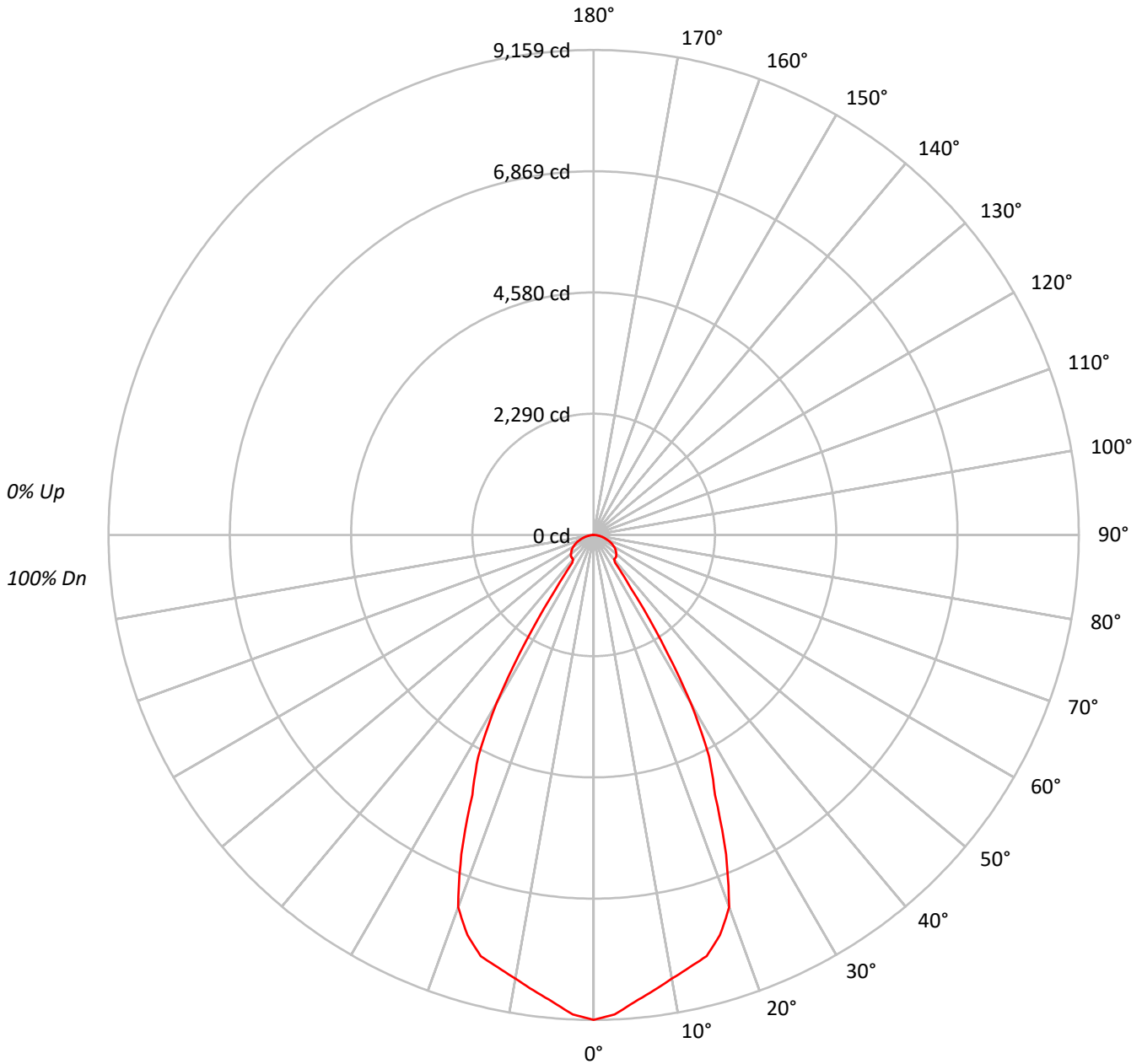
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1000741
5°	971013
10°	943942
15°	931559
20°	869884
25°	653497
30°	461973
35°	163634
40°	86049
45°	91645
50°	94900
55°	96693
60°	97286
65°	95218
70°	89863
75°	83248
80°	73932
85°	60049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 97324 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.0	10.3
10°-20°	2290.5	28.1
20°-30°	2522.7	31.0
30°-40°	963.8	11.8
40°-50°	455.1	5.6
50°-60°	452.5	5.6
60°-70°	362.2	4.4
70°-80°	208.2	2.6
80°-90°	56.6	0.7
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°	5648.2	69.3
0°-40°	6612.1	81.2
0°-60°	7519.7	92.3
0°-90°	8146.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8146.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9159	
5°	8853	835
15°	8236	2291
25°	5421	2523
35°	1227	964
45°	593	455
55°	508	452
65°	368	362
75°	197	208
85°	48	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9159.2
2.5°	9063.5
5°	8853.3
7.5°	8677.8
10°	8508.1
12.5°	8364.5
15°	8235.5
17.5°	7923.7
20°	7481.4
22.5°	6527.2
25°	5420.7
27.5°	4718.8
30°	3661.7
32.5°	2365.2
35°	1226.8
37.5°	662.7
40°	603.3
42.5°	598.9
45°	593.1
47.5°	580.1
50°	558.3
52.5°	533.7
55°	507.6
57.5°	478.6
60°	445.2
62.5°	407.5
65°	368.3
67.5°	324.8
70°	281.3
72.5°	237.8
75°	197.2
77.5°	155.2
80°	117.5
82.5°	82.7
85°	47.9
87.5°	18.9
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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