

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: P773229

Luminaire Tested: LD6D85BD010-EU6DR6570959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10616.2 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

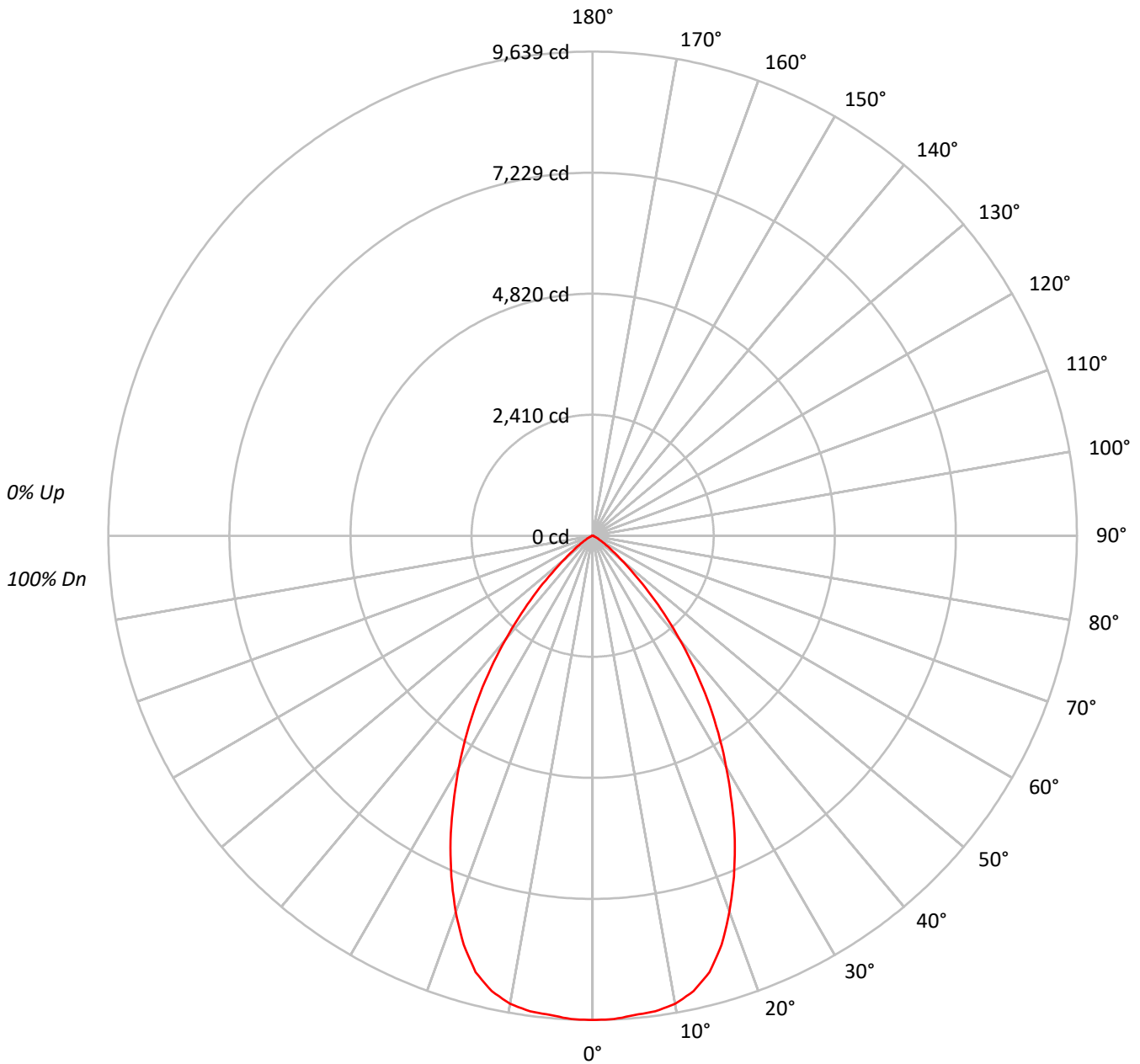
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	562967
5°	561547
10°	561071
15°	543772
20°	495035
25°	431391
30°	358802
35°	284293
40°	205187
45°	129634
50°	67573
55°	35913
60°	18864
65°	10378
70°	4354
75°	4784
80°	3330
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 129634 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.6	8.6
10°-20°	2496.2	23.5
20°-30°	3051.2	28.7
30°-40°	2475.7	23.3
40°-50°	1233.7	11.6
50°-60°	344.1	3.2
60°-70°	78.2	0.7
70°-80°	20.4	0.2
80°-90°	5.2	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°	6459.0	60.8
0°-40°	8934.7	84.2
0°-60°	10512.5	99.0
0°-90°	10616.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10616.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9639	
5°	9578	912
15°	8993	2496
25°	6694	3051
35°	3987	2476
45°	1570	1234
55°	353	344
65°	75	78
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9639.2
2.5°	9632.2
5°	9578.3
7.5°	9547.2
10°	9460.8
12.5°	9285.1
15°	8993.3
17.5°	8537.2
20°	7964.9
22.5°	7347.4
25°	6694.3
27.5°	5996.0
30°	5320.4
32.5°	4653.2
35°	3987.4
37.5°	3323.1
40°	2691.3
42.5°	2099.2
45°	1569.5
47.5°	1093.5
50°	743.7
52.5°	512.8
55°	352.7
57.5°	238.0
60°	161.5
62.5°	111.9
65°	75.1
67.5°	38.2
70°	25.5
72.5°	24.1
75°	21.2
77.5°	14.2
80°	9.9
82.5°	7.1
85°	4.2
87.5°	2.8
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)