

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: P772458

Luminaire Tested: LD6D80BD010-EU6DR7070959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772458
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: LD6D80BD010-EU6DR7070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8778.1 lumens
Efficiency: N/A
Efficacy: 111.3 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

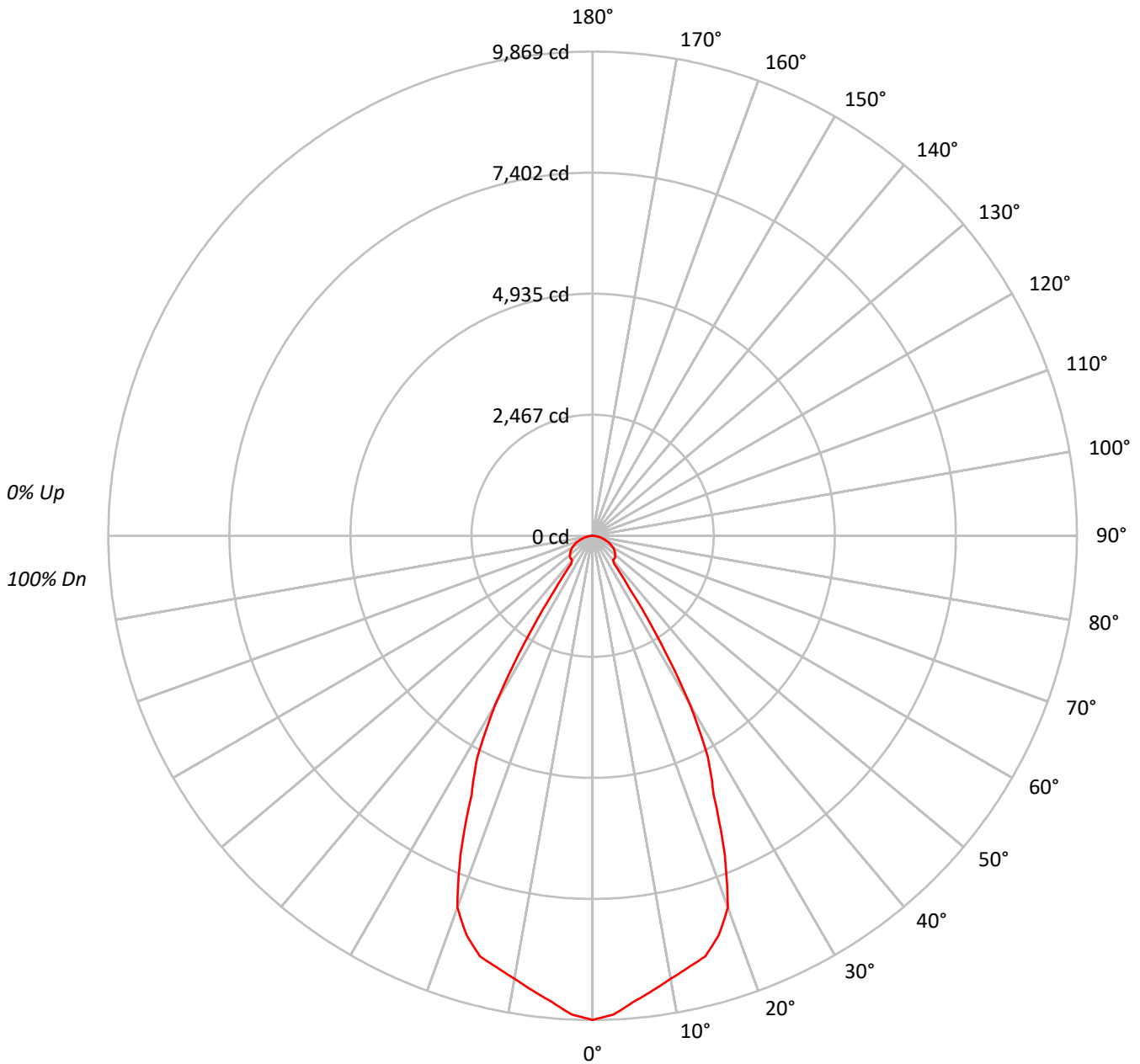
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1078305
5°	1046263
10°	1017100
15°	1003749
20°	937299
25°	704143
30°	497765
35°	176319
40°	92709
45°	98752
50°	102260
55°	104179
60°	104825
65°	102612
70°	96827
75°	89707
80°	79658
85°	64687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 104848 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.8	10.3
10°-20°	2468.0	28.1
20°-30°	2718.2	31.0
30°-40°	1038.5	11.8
40°-50°	490.4	5.6
50°-60°	487.5	5.6
60°-70°	390.3	4.4
70°-80°	224.3	2.6
80°-90°	61.0	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°	6086.0	69.3
0°-40°	7124.5	81.2
0°-60°	8102.4	92.3
0°-90°	8778.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8778.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9869	
5°	9539	900
15°	8874	2468
25°	5841	2718
35°	1322	1039
45°	639	490
55°	547	488
65°	397	390
75°	212	224
85°	52	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9869.1
2.5°	9765.9
5°	9539.4
7.5°	9350.3
10°	9167.5
12.5°	9012.8
15°	8873.7
17.5°	8537.8
20°	8061.2
22.5°	7033.0
25°	5840.8
27.5°	5084.5
30°	3945.4
32.5°	2548.5
35°	1321.9
37.5°	714.1
40°	650.0
42.5°	645.3
45°	639.1
47.5°	625.0
50°	601.6
52.5°	575.0
55°	546.9
57.5°	515.6
60°	479.7
62.5°	439.1
65°	396.9
67.5°	350.0
70°	303.1
72.5°	256.3
75°	212.5
77.5°	167.2
80°	126.6
82.5°	89.1
85°	51.6
87.5°	20.3
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)