

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: P772483

Luminaire Tested: LD6D80BD010-EU6DR7070959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772483
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-EU6DR7070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9756.3 lumens
Efficiency: N/A
Efficacy: 123.7 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

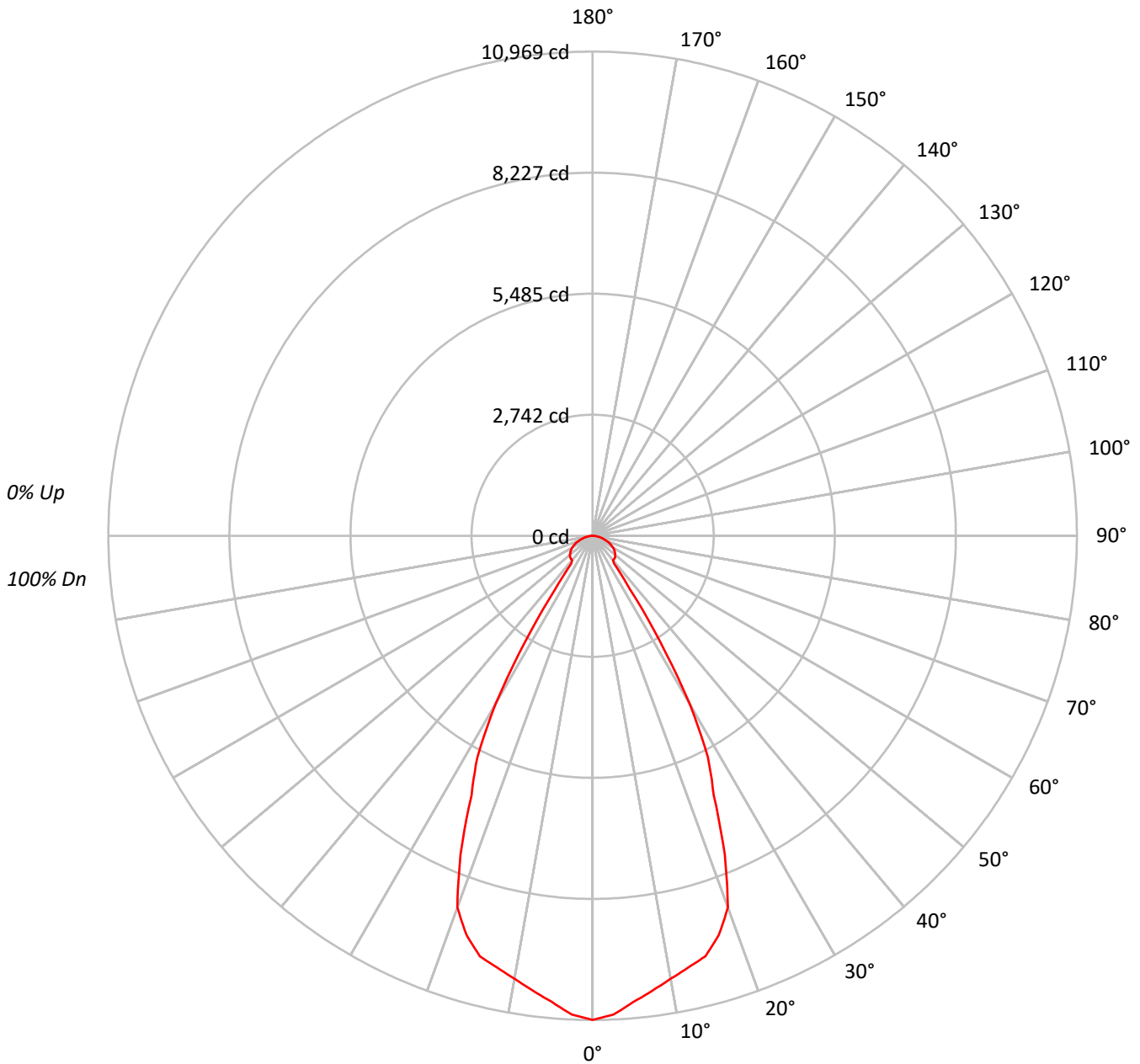
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	1198470
5°	1162851
10°	1130443
15°	1115609
20°	1041747
25°	782613
30°	553239
35°	195966
40°	103050
45°	109754
50°	113648
55°	115780
60°	116516
65°	114039
70°	107625
75°	99712
80°	88530
85°	71833

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 116541 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1000.0	10.3
10°-20°	2743.1	28.1
20°-30°	3021.1	31.0
30°-40°	1154.3	11.8
40°-50°	545.0	5.6
50°-60°	541.8	5.6
60°-70°	433.8	4.4
70°-80°	249.3	2.6
80°-90°	67.8	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°	6764.2	69.3
0°-40°	7918.5	81.2
0°-60°	9005.4	92.3
0°-90°	9756.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9756.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10969	
5°	10602	###
15°	9863	2743
25°	6492	3021
35°	1469	1154
45°	710	545
55°	608	542
65°	441	434
75°	236	249
85°	57	68
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10968.9
2.5°	10854.3
5°	10602.4
7.5°	10392.3
10°	10189.1
12.5°	10017.2
15°	9862.6
17.5°	9489.2
20°	8959.5
22.5°	7816.8
25°	6491.7
27.5°	5651.2
30°	4385.1
32.5°	2832.5
35°	1469.2
37.5°	793.7
40°	722.5
42.5°	717.3
45°	710.3
47.5°	694.7
50°	668.6
52.5°	639.1
55°	607.8
57.5°	573.1
60°	533.2
62.5°	488.0
65°	441.1
67.5°	389.0
70°	336.9
72.5°	284.8
75°	236.2
77.5°	185.8
80°	140.7
82.5°	99.0
85°	57.3
87.5°	22.6
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)