

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: P772522

Luminaire Tested: LD6D80BD010-EU6DR7070959050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772522
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-EU6DR7070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10393.7 lumens
Efficiency: N/A
Efficacy: 131.7 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

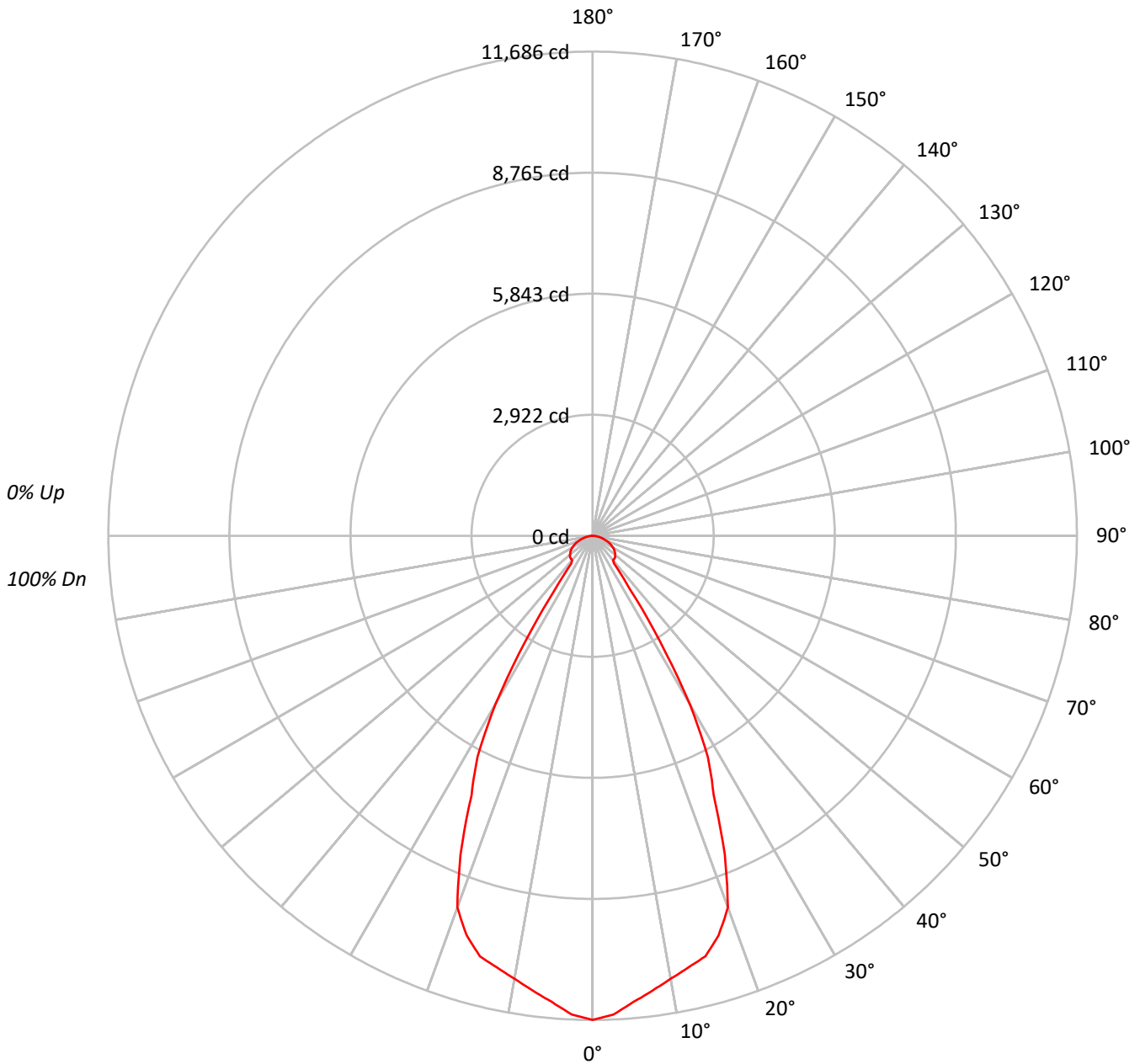
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1276767
5°	1238825
10°	1204300
15°	1188500
20°	1109813
25°	833741
30°	589385
35°	208771
40°	109782
45°	116924
50°	121076
55°	123362
60°	124120
65°	121485
70°	114653
75°	106213
80°	94318
85°	76597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 124146 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1065.4	10.3
10°-20°	2922.3	28.1
20°-30°	3218.5	31.0
30°-40°	1229.7	11.8
40°-50°	580.6	5.6
50°-60°	577.3	5.6
60°-70°	462.1	4.4
70°-80°	265.6	2.6
80°-90°	72.3	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°	7206.1	69.3
0°-40°	8435.8	81.2
0°-60°	9593.7	92.3
0°-90°	10393.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10393.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11686	
5°	11295	###
15°	10507	2922
25°	6916	3218
35°	1565	1230
45°	757	581
55°	648	577
65°	470	462
75°	252	266
85°	61	72
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11685.5
2.5°	11563.4
5°	11295.1
7.5°	11071.3
10°	10854.8
12.5°	10671.6
15°	10507.0
17.5°	10109.2
20°	9544.9
22.5°	8327.5
25°	6915.8
27.5°	6020.4
30°	4671.6
32.5°	3017.6
35°	1565.2
37.5°	845.5
40°	769.7
42.5°	764.1
45°	756.7
47.5°	740.1
50°	712.3
52.5°	680.9
55°	647.6
57.5°	610.5
60°	568.0
62.5°	519.9
65°	469.9
67.5°	414.4
70°	358.9
72.5°	303.4
75°	251.6
77.5°	198.0
80°	149.9
82.5°	105.5
85°	61.1
87.5°	24.1
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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