

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: P772354

Luminaire Tested: LD6D80BD010-EU6DR6070959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10765.5 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

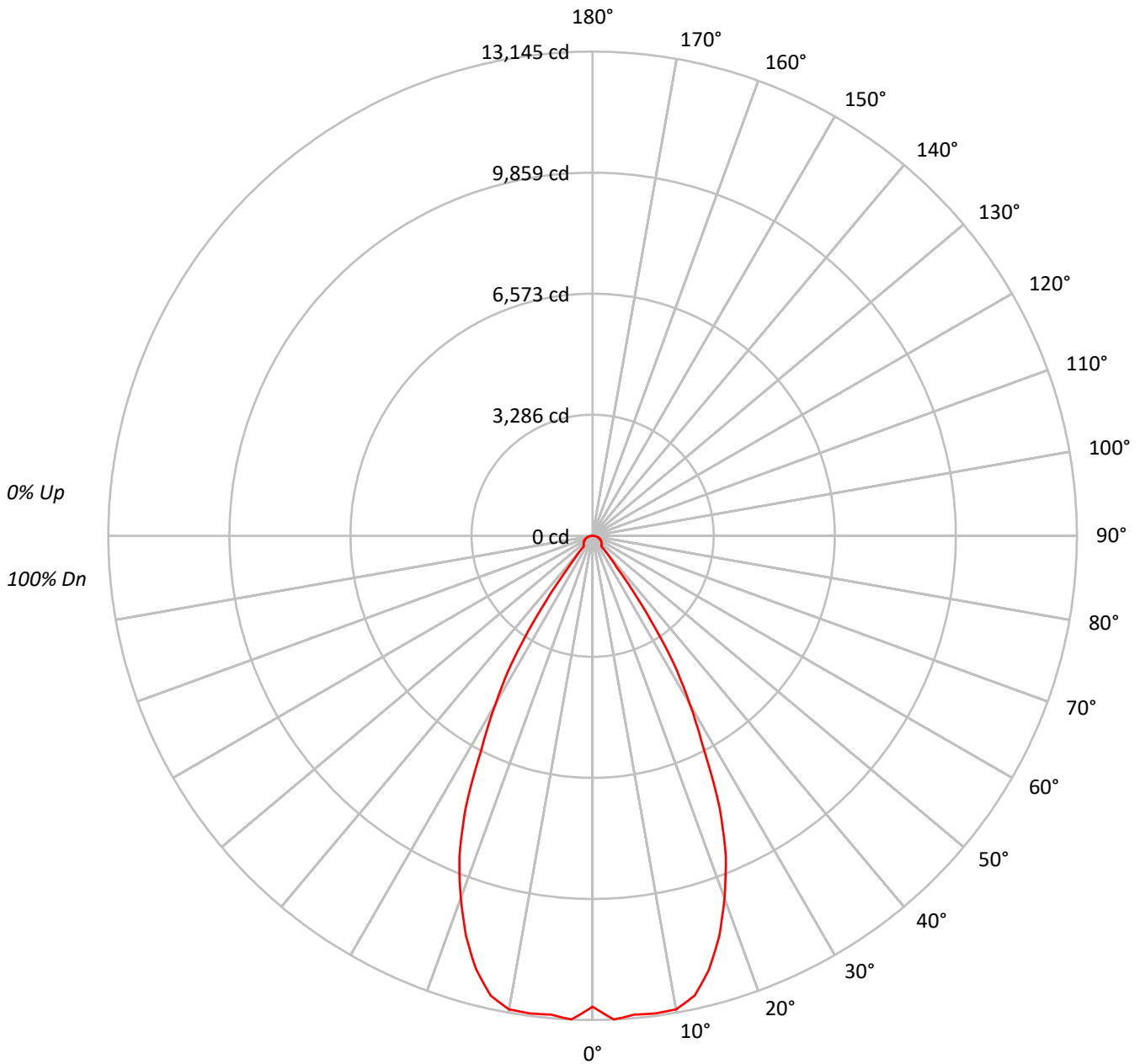
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1396932
5°	1431277
10°	1448570
15°	1379958
20°	1216703
25°	984098
30°	665664
35°	333564
40°	54114
45°	52969
50°	54020
55°	54842
60°	56357
65°	57653
70°	59004
75°	59692
80°	57572
85°	48014

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 59692 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1247.2	11.6
10°-20°	3374.5	31.3
20°-30°	3630.7	33.7
30°-40°	1578.2	14.7
40°-50°	265.1	2.5
50°-60°	257.7	2.4
60°-70°	220.5	2.0
70°-80°	147.5	1.4
80°-90°	44.1	0.4
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°	8252.4	76.7
0°-40°	9830.5	91.3
0°-60°	10353.4	96.2
0°-90°	10765.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10765.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12785	
5°	13050	###
15°	12200	3374
25°	8163	3631
35°	2501	1578
45°	343	265
55°	288	258
65°	223	220
75°	141	148
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12785.3
2.5°	13144.7
5°	13049.8
7.5°	13079.8
10°	13056.5
12.5°	12786.9
15°	12199.6
17.5°	11410.9
20°	10464.2
22.5°	9450.8
25°	8163.0
27.5°	6529.1
30°	5276.2
32.5°	4066.5
35°	2500.8
37.5°	1069.9
40°	379.4
42.5°	349.4
45°	342.8
47.5°	331.1
50°	317.8
52.5°	302.8
55°	287.9
57.5°	272.9
60°	257.9
62.5°	241.3
65°	223.0
67.5°	204.7
70°	184.7
72.5°	163.1
75°	141.4
77.5°	116.5
80°	91.5
82.5°	64.9
85°	38.3
87.5°	13.3
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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