

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: P754264

Luminaire Tested: LD4D80BD010-EU4DR6070959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754264
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: LD4D80BD010-EU4DR6070959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8013.7 lumens
Efficiency: N/A
Efficacy: 101.6 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

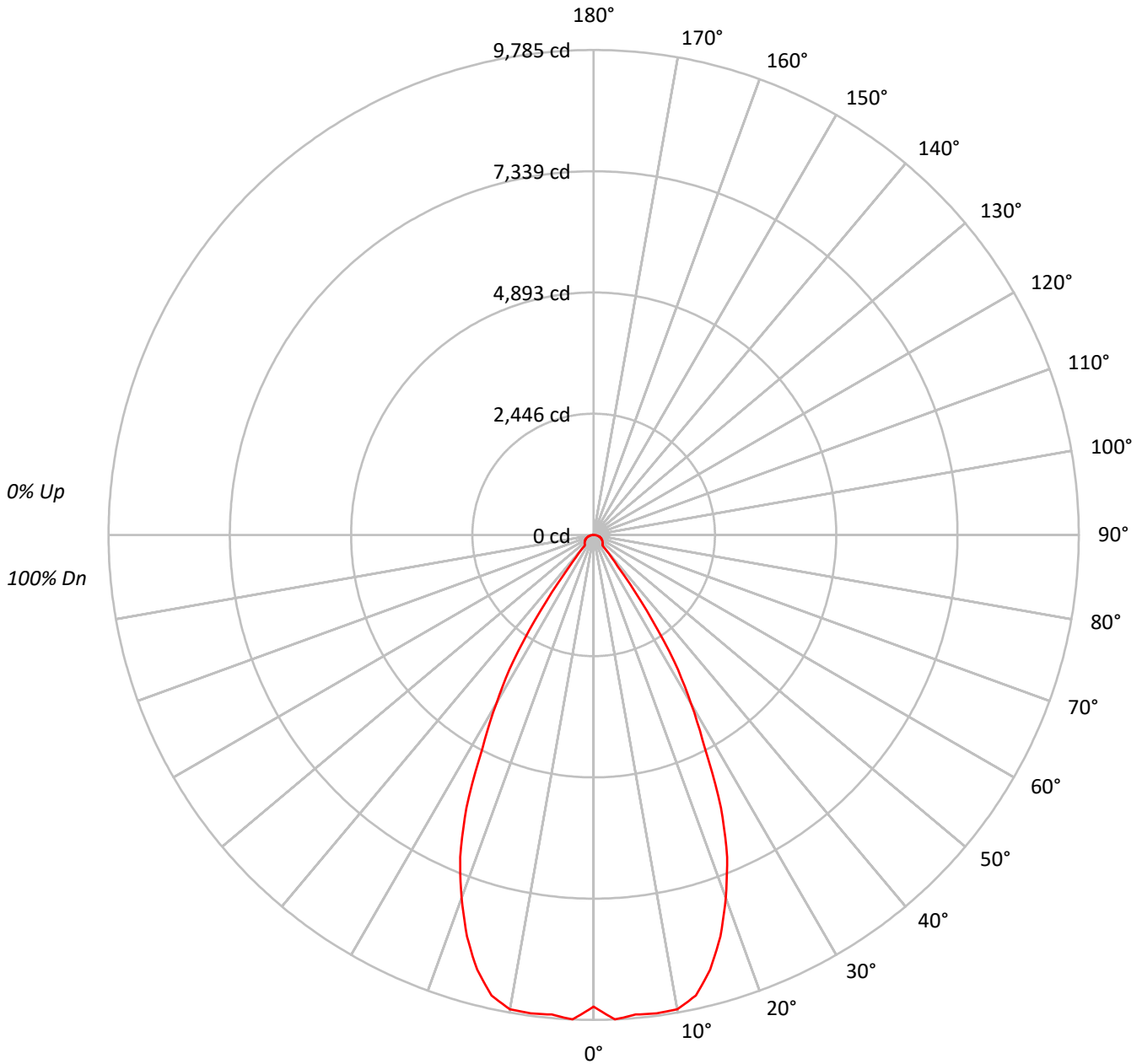
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	1039867
5°	1065435
10°	1078298
15°	1027232
20°	905696
25°	732558
30°	495507
35°	248305
40°	40279
45°	39418
50°	40217
55°	40822
60°	41956
65°	42916
70°	43925
75°	44453
80°	42849
85°	35728

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 44453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.4	11.6
10°-20°	2511.9	31.3
20°-30°	2702.6	33.7
30°-40°	1174.8	14.7
40°-50°	197.3	2.5
50°-60°	191.9	2.4
60°-70°	164.1	2.0
70°-80°	109.8	1.4
80°-90°	32.8	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°	6143.0	76.7
0°-40°	7317.8	91.3
0°-60°	7706.9	96.2
0°-90°	8013.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8013.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9517	
5°	9714	928
15°	9081	2512
25°	6076	2703
35°	1862	1175
45°	255	197
55°	214	192
65°	166	164
75°	105	110
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9517.3
2.5°	9784.8
5°	9714.2
7.5°	9736.5
10°	9719.1
12.5°	9518.5
15°	9081.3
17.5°	8494.2
20°	7789.4
22.5°	7035.1
25°	6076.5
27.5°	4860.2
30°	3927.5
32.5°	3027.1
35°	1861.6
37.5°	796.4
40°	282.4
42.5°	260.1
45°	255.1
47.5°	246.5
50°	236.6
52.5°	225.4
55°	214.3
57.5°	203.1
60°	192.0
62.5°	179.6
65°	166.0
67.5°	152.3
70°	137.5
72.5°	121.4
75°	105.3
77.5°	86.7
80°	68.1
82.5°	48.3
85°	28.5
87.5°	9.9
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)