

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: P754263

Luminaire Tested: LD4D80BD010-EU4DR6070959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754263
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-EU4DR6070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 7632.0 lumens
Efficiency: N/A
Efficacy: 96.7 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

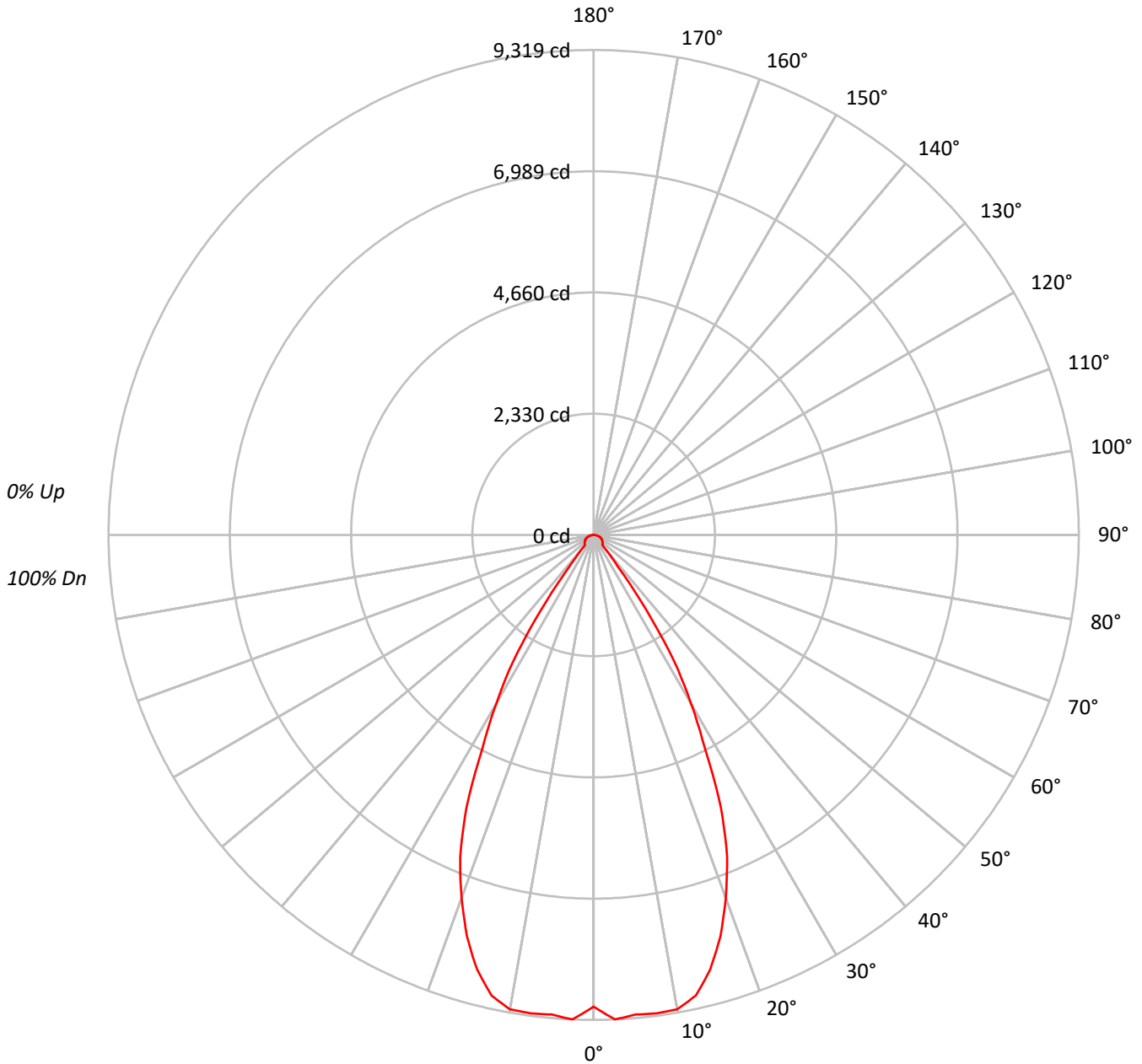
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	990350
5°	1014698
10°	1026952
15°	978310
20°	862570
25°	697669
30°	471914
35°	236474
40°	38353
45°	37548
50°	38296
55°	38879
60°	39946
65°	40874
70°	41817
75°	42342
80°	40836
85°	33973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 42342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.2	11.6
10°-20°	2392.3	31.3
20°-30°	2573.9	33.7
30°-40°	1118.8	14.7
40°-50°	187.9	2.5
50°-60°	182.7	2.4
60°-70°	156.3	2.0
70°-80°	104.6	1.4
80°-90°	31.3	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°	5850.5	76.7
0°-40°	6969.3	91.3
0°-60°	7339.9	96.2
0°-90°	7632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7632.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9064	
5°	9252	884
15°	8649	2392
25°	5787	2574
35°	1773	1119
45°	243	188
55°	204	183
65°	158	156
75°	100	105
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9064.1
2.5°	9318.8
5°	9251.6
7.5°	9272.8
10°	9256.3
12.5°	9065.2
15°	8648.8
17.5°	8089.7
20°	7418.5
22.5°	6700.1
25°	5787.1
27.5°	4628.8
30°	3740.5
32.5°	2882.9
35°	1772.9
37.5°	758.5
40°	268.9
42.5°	247.7
45°	243.0
47.5°	234.7
50°	225.3
52.5°	214.7
55°	204.1
57.5°	193.5
60°	182.8
62.5°	171.0
65°	158.1
67.5°	145.1
70°	130.9
72.5°	115.6
75°	100.3
77.5°	82.6
80°	64.9
82.5°	46.0
85°	27.1
87.5°	9.4
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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