

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: P1316711

Luminaire Tested: LDSQA3D17R209740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

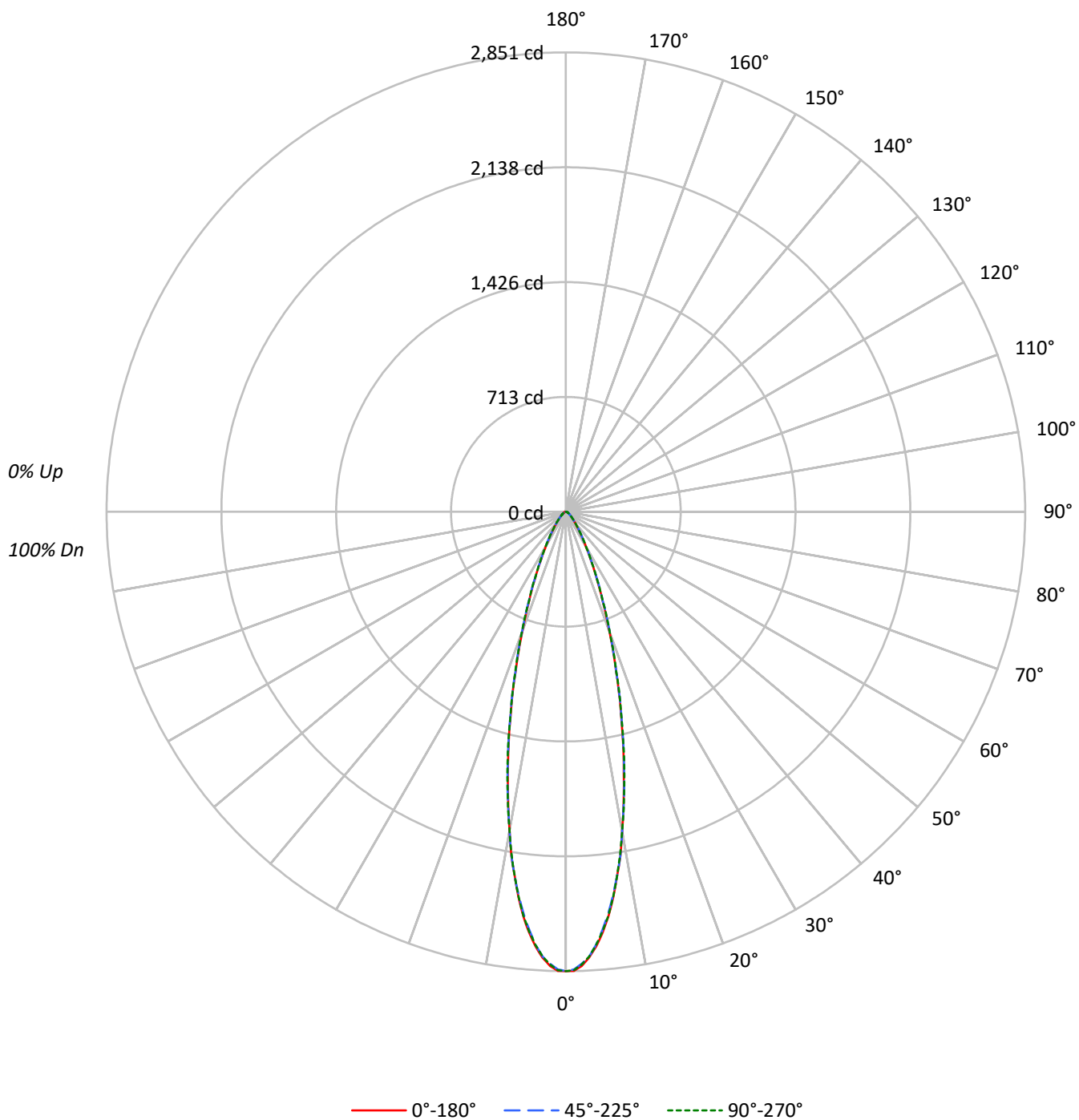
Lumens per Lamp: N/A
Luminaire Lumens: 1002.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): 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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	491058	491058	491058
5°	453016	450423	451944
10°	351543	351980	351980
15°	237618	238723	238723
20°	144311	146144	146822
25°	84657	85835	85607
30°	49378	50373	50631
35°	30170	30948	30948
40°	19627	19919	20189
45°	13688	13980	14273
50°	10021	10369	10369
55°	7867	8257	8257
60°	6889	6889	7302
65°	6113	6113	6602
70°	5640	5640	5640
75°	4991	4991	4991
80°	3670	3670	4959
85°	2371	2371	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	22.9
10°-20°	368.2	36.7
20°-30°	213.2	21.3
30°-40°	95.6	9.5
40°-50°	45.3	4.5
50°-60°	24.8	2.5
60°-70°	15.1	1.5
70°-80°	8.1	0.8
80°-90°	1.7	0.2
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°	811.3	81.0
0°-40°	907.0	90.5
0°-60°	977.1	97.5
0°-90°	1002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2851	2851	2851	2851	2851	
5°	2620	2612	2605	2610	2614	231
15°	1333	1333	1339	1333	1339	367
25°	446	446	452	448	450	211
35°	144	145	147	148	147	94
45°	56	56	57	57	59	44
55°	26	26	28	28	28	24
65°	15	15	15	15	16	15
75°	8	8	8	8	8	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2851.3	2851.3	2851.3	2851.3	2851.3
1°	2850.0	2842.5	2840.0	2837.5	2845.0
2°	2821.3	2812.6	2807.6	2810.1	2811.3
3°	2770.2	2765.2	2765.2	2761.4	2763.9
4°	2704.0	2694.0	2694.0	2695.3	2695.3
5°	2620.4	2611.7	2605.4	2610.4	2614.2
6°	2526.8	2515.6	2510.6	2511.9	2520.6
7°	2412.0	2397.1	2399.6	2405.8	2405.8
8°	2282.3	2281.0	2283.5	2281.0	2283.5
9°	2162.5	2145.0	2160.0	2147.5	2153.7
10°	2010.2	2009.0	2012.7	2016.5	2012.7
12.5°	1663.3	1669.6	1672.1	1667.1	1678.3
15°	1332.7	1332.7	1338.9	1332.7	1338.9
17.5°	1036.9	1035.7	1040.7	1035.7	1043.2
20°	787.4	796.1	797.4	797.4	801.1
22.5°	594.0	594.0	599.0	600.2	597.7
25°	445.5	445.5	451.7	448.0	450.5
27.5°	329.4	331.9	336.9	339.4	339.4
30°	248.3	249.6	253.3	254.6	254.6
32.5°	187.2	189.7	192.2	193.4	194.7
35°	143.5	144.7	147.2	148.5	147.2
37.5°	109.8	111.1	113.6	114.8	114.8
40°	87.3	87.3	88.6	89.8	89.8
42.5°	68.6	69.9	69.9	71.1	71.1
45°	56.2	56.2	57.4	57.4	58.6
47.5°	44.9	44.9	46.2	47.4	47.4
50°	37.4	37.4	38.7	38.7	38.7
52.5°	31.2	31.2	32.4	32.4	32.4
55°	26.2	26.2	27.5	27.5	27.5
57.5°	22.5	22.5	23.7	23.7	23.7
60°	20.0	20.0	20.0	20.0	21.2
62.5°	17.5	17.5	17.5	17.5	17.5
65°	15.0	15.0	15.0	15.0	16.2
67.5°	12.5	12.5	12.5	12.5	13.7
70°	11.2	11.2	11.2	11.2	11.2
72.5°	8.7	8.7	8.7	10.0	10.0
75°	7.5	7.5	7.5	7.5	7.5
77.5°	6.2	6.2	6.2	6.2	6.2
80°	3.7	3.7	3.7	5.0	5.0
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)