

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: P1323878

Luminaire Tested: LDSQA3D13R209030D2WDE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209030D2WDE010 3LSQPHRLP1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

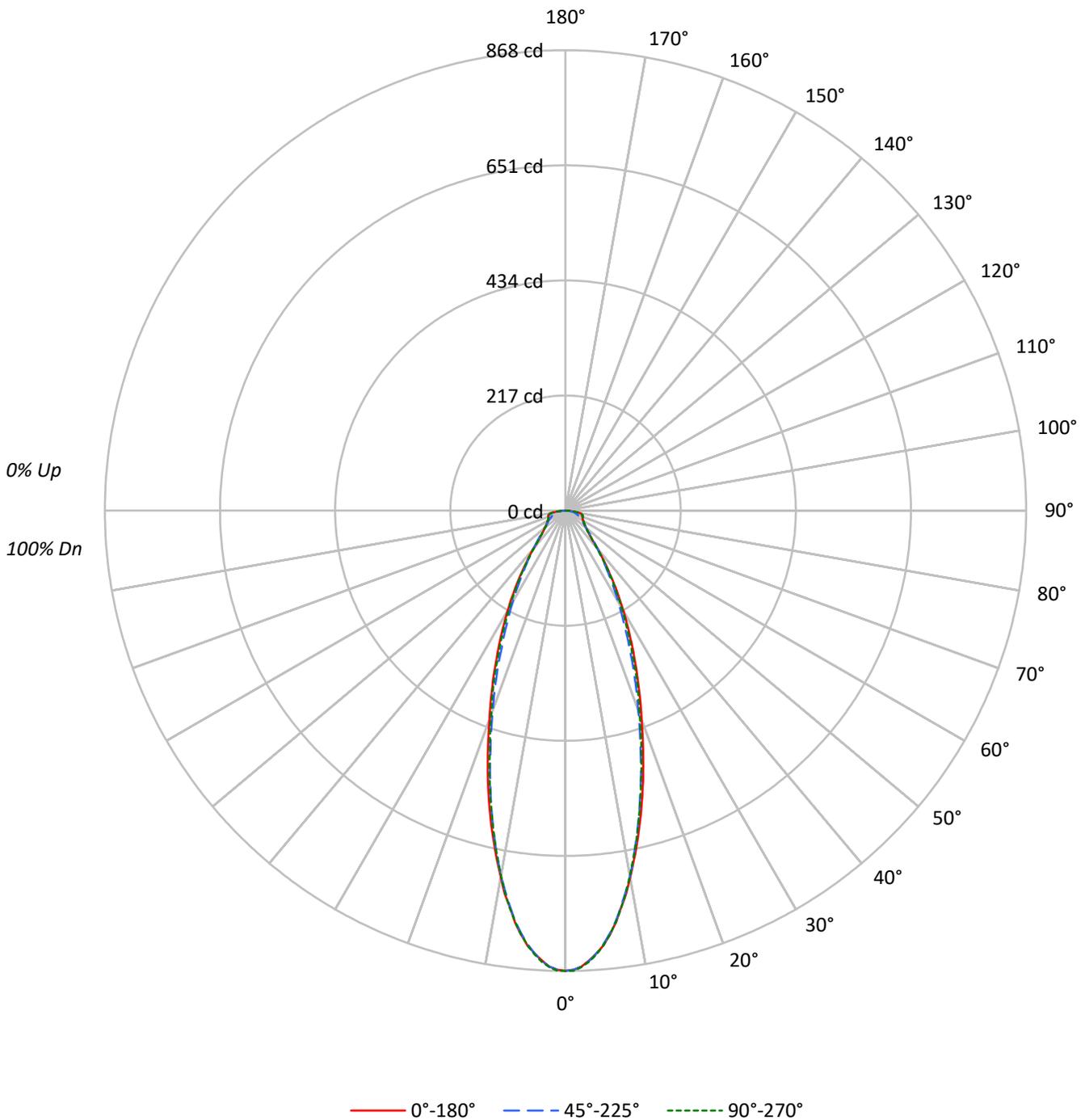
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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				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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149455	149455	149455
5°	142212	141831	142212
10°	122765	122381	122206
15°	99633	97333	97707
20°	76756	73402	74795
25°	58319	54006	56666
30°	43253	39395	41961
35°	30570	28530	30107
40°	21066	21066	20571
45°	15466	16270	15466
50°	13557	13557	13557
55°	12941	12611	12941
60°	13364	12228	13364
65°	14467	12266	14467
70°	17372	12488	17372
75°	22225	13641	22225
80°	27770	13885	26679
85°	21341	12844	23317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 27770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	12.2
10°-20°	152.0	24.8
20°-30°	135.7	22.2
30°-40°	89.1	14.6
40°-50°	51.8	8.5
50°-60°	38.4	6.3
60°-70°	32.5	5.3
70°-80°	26.8	4.4
80°-90°	11.2	1.8
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°	362.2	59.2
0°-40°	451.3	73.7
0°-60°	541.5	88.5
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	823	822	820	822	823	75
15°	559	553	546	547	548	154
25°	307	298	284	292	298	141
35°	145	141	136	140	143	92
45°	64	65	67	65	64	51
55°	43	42	42	42	43	39
65°	36	32	30	32	36	36
75°	33	25	20	25	33	34
85°	11	12	6	12	12	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	867.8	867.8	867.8	867.8	867.8
1°	865.7	866.7	865.7	866.7	867.8
2°	860.3	861.4	860.3	860.3	861.4
3°	849.5	850.6	850.6	850.6	851.7
4°	836.6	837.7	836.6	837.7	838.7
5°	822.6	821.5	820.4	821.5	822.6
6°	803.2	802.1	801.1	802.1	803.2
7°	781.7	780.6	779.5	779.5	780.6
8°	754.8	755.8	752.6	754.8	755.8
9°	731.1	728.9	726.8	726.8	728.9
10°	702.0	699.8	699.8	698.8	698.8
12.5°	630.9	626.6	623.4	623.4	624.5
15°	558.8	553.4	545.9	547.0	548.0
17.5°	486.7	480.2	470.5	472.7	474.8
20°	418.8	412.4	400.5	404.8	408.1
22.5°	360.7	351.0	340.2	343.5	354.2
25°	306.9	298.2	284.2	291.8	298.2
27.5°	259.5	249.8	237.9	245.5	251.9
30°	217.5	208.9	198.1	204.6	211.0
32.5°	179.8	172.3	164.7	169.0	174.4
35°	145.4	141.0	135.7	140.0	143.2
37.5°	117.4	115.2	113.1	115.2	114.1
40°	93.7	94.7	93.7	93.7	91.5
42.5°	74.3	77.5	78.6	76.4	74.3
45°	63.5	64.6	66.8	64.6	63.5
47.5°	56.0	56.0	57.1	56.0	54.9
50°	50.6	50.6	50.6	50.6	50.6
52.5°	46.3	46.3	45.2	46.3	46.3
55°	43.1	42.0	42.0	42.0	43.1
57.5°	40.9	39.8	38.8	39.8	40.9
60°	38.8	36.6	35.5	36.6	38.8
62.5°	36.6	34.5	33.4	34.5	36.6
65°	35.5	32.3	30.1	32.3	35.5
67.5°	34.5	30.1	28.0	30.1	35.5
70°	34.5	28.0	24.8	29.1	34.5
72.5°	33.4	26.9	22.6	26.9	33.4
75°	33.4	24.8	20.5	24.8	33.4
77.5°	31.2	22.6	17.2	22.6	31.2
80°	28.0	20.5	14.0	20.5	26.9
82.5°	20.5	17.2	10.8	17.2	20.5
85°	10.8	11.8	6.5	11.8	11.8
87.5°	1.1	4.3	2.2	6.5	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)