

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: P1309669

Luminaire Tested: LDSQA3D24R209030D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309669
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: LDSQA3D24R209030D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

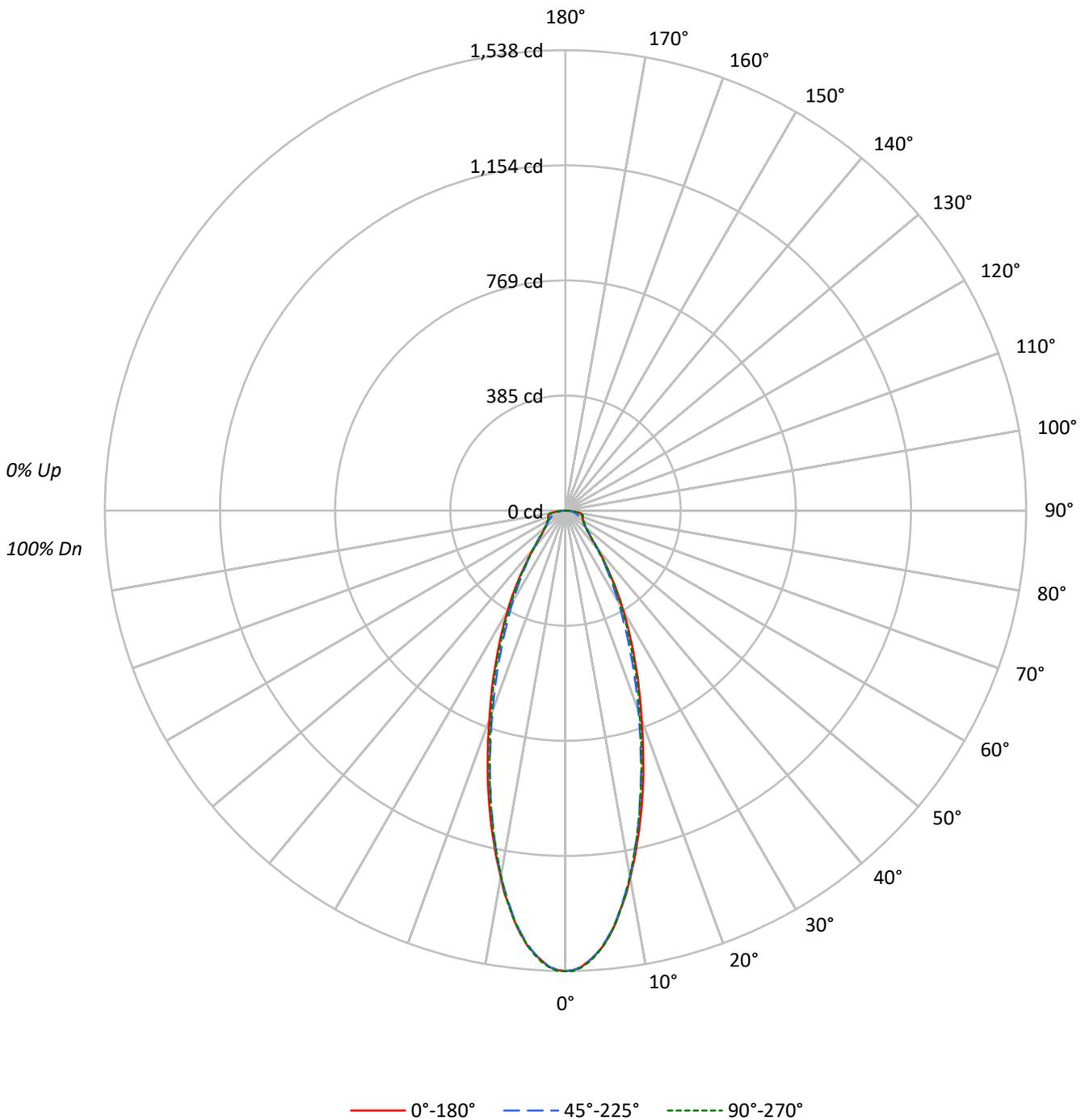
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1085.0 lumens
Efficiency: N/A
Efficacy: 37.7 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): 28.8
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	58	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°	264965	264965	264965
5°	252129	251455	252129
10°	217655	216973	216641
15°	176640	172557	173234
20°	136082	130144	132582
25°	103375	95754	100467
30°	76683	69842	74396
35°	54180	50564	53381
40°	37343	37343	36488
45°	27425	28813	27425
50°	24033	24033	24033
55°	22940	22339	22940
60°	23663	21700	23663
65°	25673	21761	25673
70°	30767	22106	30767
75°	39393	24155	39393
80°	49193	24596	47308
85°	37742	22724	41497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 49193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	12.2
10°-20°	269.5	24.8
20°-30°	240.6	22.2
30°-40°	157.9	14.6
40°-50°	91.8	8.5
50°-60°	68.1	6.3
60°-70°	57.6	5.3
70°-80°	47.6	4.4
80°-90°	19.8	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°	642.2	59.2
0°-40°	800.1	73.7
0°-60°	960.0	88.5
0°-90°	1085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1538	1538	1538	1538	1538	
5°	1458	1456	1454	1456	1458	132
15°	991	981	968	970	972	274
25°	544	529	504	517	529	251
35°	258	250	240	248	254	164
45°	113	114	118	114	113	91
55°	76	74	74	74	76	69
65°	63	57	53	57	63	63
75°	59	44	36	44	59	61
85°	19	21	12	21	21	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1538.5	1538.5	1538.5	1538.5	1538.5
1°	1534.7	1536.6	1534.7	1536.6	1538.5
2°	1525.2	1527.1	1525.2	1525.2	1527.1
3°	1506.1	1508.0	1508.0	1508.0	1509.9
4°	1483.2	1485.1	1483.2	1485.1	1487.0
5°	1458.4	1456.4	1454.5	1456.4	1458.4
6°	1424.0	1422.1	1420.2	1422.1	1424.0
7°	1385.8	1383.9	1382.0	1382.0	1383.9
8°	1338.1	1340.0	1334.3	1338.1	1340.0
9°	1296.1	1292.3	1288.5	1288.5	1292.3
10°	1244.6	1240.7	1240.7	1238.8	1238.8
12.5°	1118.6	1110.9	1105.2	1105.2	1107.1
15°	990.7	981.1	967.8	969.7	971.6
17.5°	862.8	851.3	834.2	838.0	841.8
20°	742.5	731.1	710.1	717.7	723.4
22.5°	639.5	622.3	603.2	608.9	628.0
25°	544.0	528.7	503.9	517.3	528.7
27.5°	460.0	442.9	421.9	435.2	446.7
30°	385.6	370.3	351.2	362.7	374.1
32.5°	318.8	305.4	292.1	299.7	309.2
35°	257.7	250.1	240.5	248.1	253.9
37.5°	208.1	204.2	200.4	204.2	202.3
40°	166.1	168.0	166.1	166.1	162.3
42.5°	131.7	137.4	139.3	135.5	131.7
45°	112.6	114.5	118.3	114.5	112.6
47.5°	99.3	99.3	101.2	99.3	97.4
50°	89.7	89.7	89.7	89.7	89.7
52.5°	82.1	82.1	80.2	82.1	82.1
55°	76.4	74.4	74.4	74.4	76.4
57.5°	72.5	70.6	68.7	70.6	72.5
60°	68.7	64.9	63.0	64.9	68.7
62.5°	64.9	61.1	59.2	61.1	64.9
65°	63.0	57.3	53.4	57.3	63.0
67.5°	61.1	53.4	49.6	53.4	63.0
70°	61.1	49.6	43.9	51.5	61.1
72.5°	59.2	47.7	40.1	47.7	59.2
75°	59.2	43.9	36.3	43.9	59.2
77.5°	55.4	40.1	30.5	40.1	55.4
80°	49.6	36.3	24.8	36.3	47.7
82.5°	36.3	30.5	19.1	30.5	36.3
85°	19.1	21.0	11.5	21.0	21.0
87.5°	1.9	7.6	3.8	11.5	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)