

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: P1309720

Luminaire Tested: LDSQA3D24R359030D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R359030D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

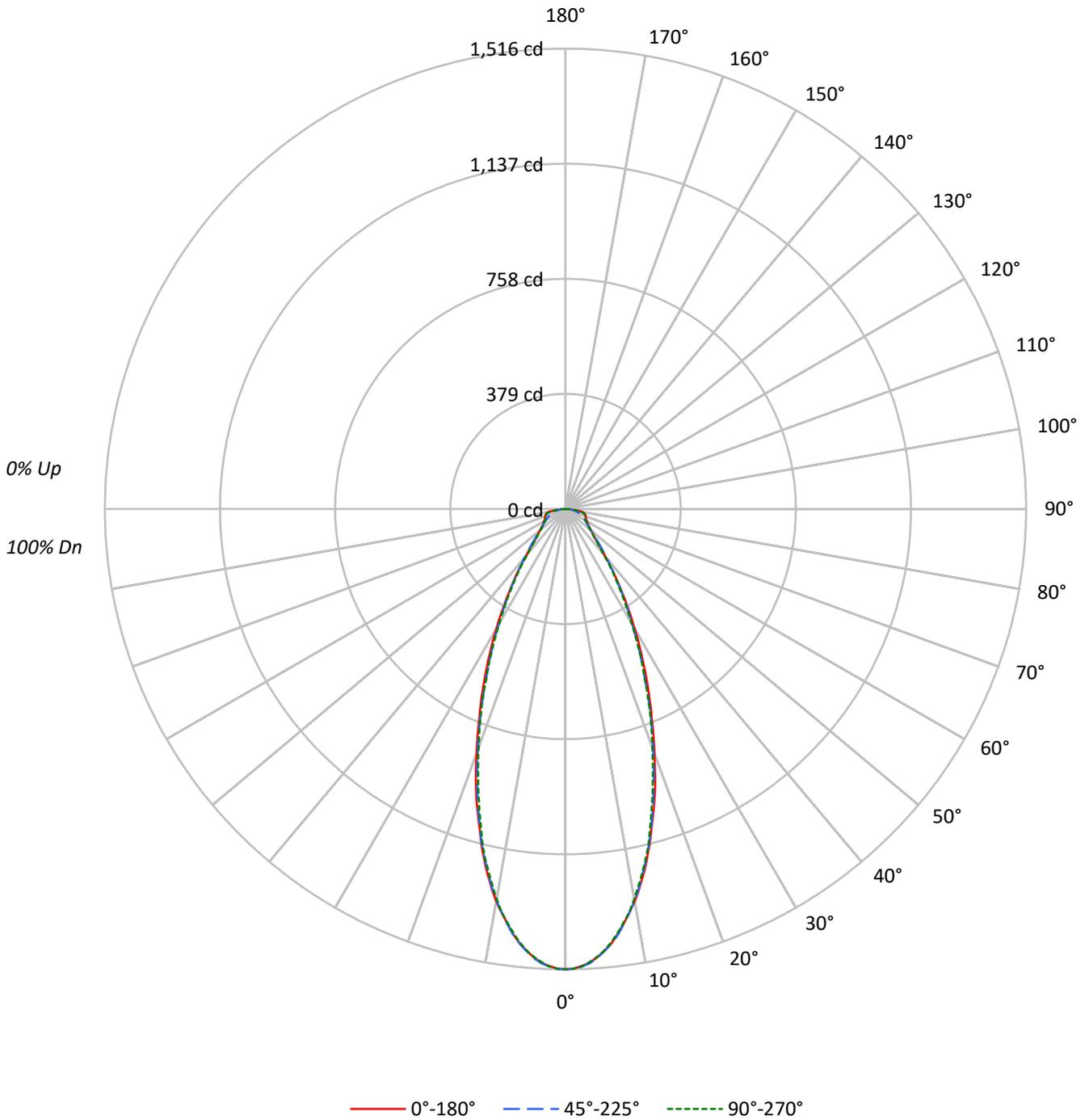
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1254.0 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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				
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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	261021	261021	261021
5°	252457	252786	252457
10°	229337	229005	228008
15°	194684	194006	192294
20°	156737	154630	153237
25°	121161	117531	117531
30°	90345	87302	86546
35°	65008	64209	62611
40°	45481	46785	43773
45°	33928	35803	33002
50°	29151	29151	28642
55°	27504	26363	26933
60°	28279	25627	26970
65°	30319	25673	29545
70°	35550	26889	34594
75°	44450	27948	43186
80°	56830	30250	51077
85°	45251	30233	45251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 56830 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	10.7
10°-20°	300.4	24.0
20°-30°	286.9	22.9
30°-40°	192.7	15.4
40°-50°	113.1	9.0
50°-60°	80.9	6.5
60°-70°	67.4	5.4
70°-80°	55.2	4.4
80°-90°	22.8	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°	721.9	57.6
0°-40°	914.6	72.9
0°-60°	1108.7	88.4
0°-90°	1254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1516	1516	1516	1516	1516	
5°	1460	1464	1462	1460	1460	135
15°	1092	1094	1088	1080	1078	303
25°	638	630	618	618	618	293
35°	309	309	305	300	298	196
45°	139	143	147	139	136	112
55°	92	90	88	88	90	83
65°	74	67	63	67	72	74
75°	67	52	42	52	65	69
85°	23	25	15	25	23	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1515.6	1515.6	1515.6	1515.6	1515.6
1°	1513.7	1515.6	1515.6	1513.7	1513.7
2°	1506.1	1509.9	1508.0	1506.1	1508.0
3°	1496.6	1500.4	1498.5	1496.6	1494.6
4°	1481.3	1485.1	1483.2	1479.4	1479.4
5°	1460.3	1464.1	1462.2	1460.3	1460.3
6°	1439.3	1443.1	1439.3	1435.5	1435.5
7°	1410.7	1416.4	1412.6	1408.7	1406.8
8°	1378.2	1383.9	1380.1	1378.2	1374.4
9°	1345.8	1349.6	1343.8	1343.8	1343.8
10°	1311.4	1313.3	1309.5	1303.8	1303.8
11°	1273.2	1271.3	1269.4	1265.6	1261.8
12°	1231.2	1231.2	1225.5	1221.7	1219.8
13°	1187.3	1185.4	1181.6	1177.8	1177.8
14°	1141.5	1141.5	1137.7	1130.1	1132.0
15°	1091.9	1093.8	1088.1	1080.4	1078.5
17.5°	979.3	975.4	965.9	960.2	954.4
20°	855.2	853.3	843.7	838.0	836.1
22.5°	740.6	738.7	729.2	723.5	727.3
25°	637.6	629.9	618.5	618.5	618.5
27.5°	542.1	532.6	524.9	521.1	524.9
30°	454.3	446.7	439.0	437.1	435.2
32.5°	376.0	372.2	368.4	362.7	362.7
35°	309.2	309.2	305.4	299.7	297.8
37.5°	252.0	253.9	252.0	246.2	244.3
40°	202.3	206.2	208.1	202.3	194.7
42.5°	166.1	171.8	175.6	166.1	160.3
45°	139.3	143.2	147.0	139.3	135.5
47.5°	122.2	124.1	126.0	120.3	118.4
50°	108.8	108.8	108.8	106.9	106.9
52.5°	99.3	99.3	97.4	95.4	95.4
55°	91.6	89.7	87.8	87.8	89.7
57.5°	85.9	84.0	80.2	82.1	84.0
60°	82.1	78.3	74.4	76.4	78.3
62.5°	76.4	72.5	68.7	70.6	74.4
65°	74.4	66.8	63.0	66.8	72.5
67.5°	72.5	63.0	57.3	63.0	70.6
70°	70.6	59.2	53.4	59.2	68.7
72.5°	68.7	55.4	47.7	55.4	66.8
75°	66.8	51.5	42.0	51.5	64.9
77.5°	63.0	47.7	36.3	47.7	59.2
80°	57.3	43.9	30.5	42.0	51.5
82.5°	42.0	36.3	24.8	36.3	38.2
85°	22.9	24.8	15.3	24.8	22.9
87.5°	1.9	3.8	3.8	11.5	7.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)