

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: P1313015

Luminaire Tested: LDSQA3D24R309050D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309050D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

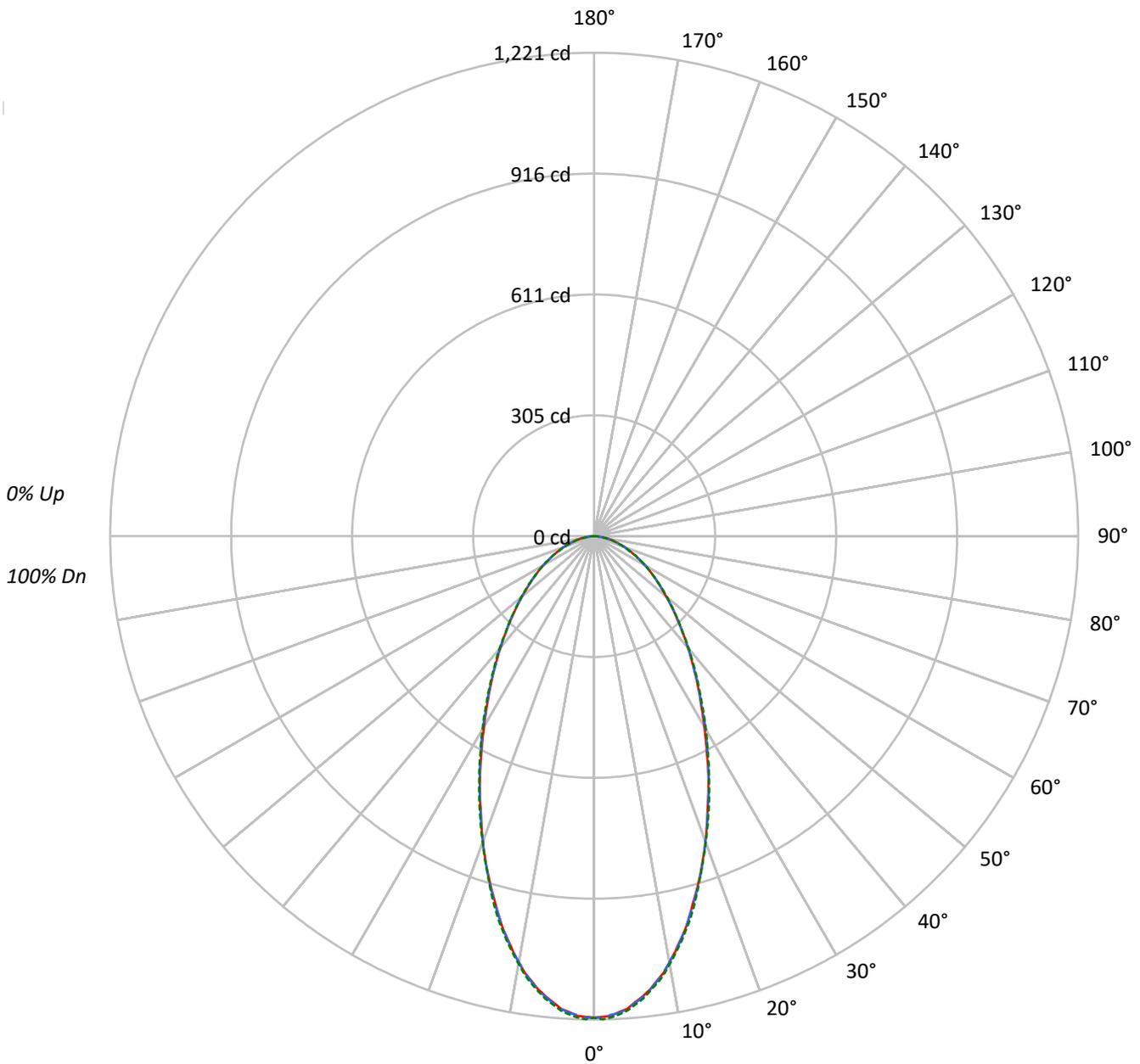
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	209509	209509	209509
5°	204327	204691	205451
10°	191196	191196	191948
15°	171434	171826	172967
20°	150488	150488	150872
25°	129750	129750	130567
30°	110430	111723	112140
35°	95388	95851	96313
40°	82577	83071	83543
45°	72094	72629	72629
50°	63687	63687	64250
55°	57080	57080	57080
60°	51357	51357	51357
65°	45805	45805	45805
70°	41341	41341	41341
75°	37396	35933	35933
80°	32134	29952	29952
85°	21341	21341	21341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 72629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	7.1
10°-20°	268.6	17.2
20°-30°	313.7	20.1
30°-40°	285.4	18.3
40°-50°	230.6	14.8
50°-60°	170.3	10.9
60°-70°	112.1	7.2
70°-80°	58.0	3.7
80°-90°	13.2	0.8
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°	692.5	44.3
0°-40°	977.9	62.6
0°-60°	1378.7	88.3
0°-90°	1562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1182	1182	1184	1184	1188	110
15°	962	964	964	964	970	268
25°	683	681	683	683	687	313
35°	454	452	456	456	458	284
45°	296	298	298	298	298	230
55°	190	188	190	188	190	171
65°	112	112	112	112	112	112
75°	56	54	54	54	54	60
85°	11	11	11	11	11	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1216.5	1216.5	1216.5	1216.5	1216.5
1°	1214.3	1214.3	1216.5	1214.3	1220.8
2°	1212.1	1210.0	1210.0	1210.0	1216.5
3°	1203.5	1203.5	1205.7	1203.5	1210.0
4°	1197.0	1194.9	1197.0	1194.9	1201.3
5°	1181.9	1181.9	1184.0	1184.0	1188.4
6°	1168.9	1168.9	1171.1	1168.9	1175.4
7°	1153.8	1153.8	1153.8	1153.8	1158.1
8°	1134.4	1134.4	1136.5	1136.5	1140.8
9°	1117.1	1114.9	1114.9	1114.9	1121.4
10°	1093.3	1093.3	1093.3	1093.3	1097.6
11°	1069.5	1069.5	1069.5	1069.5	1073.9
12°	1043.6	1043.6	1045.8	1043.6	1050.1
13°	1019.8	1019.8	1019.8	1019.8	1024.2
14°	991.7	989.6	991.7	991.7	998.2
15°	961.5	963.7	963.7	963.7	970.1
17.5°	892.4	892.4	894.5	890.2	894.5
20°	821.1	818.9	821.1	821.1	823.2
22.5°	747.6	749.8	749.8	749.8	754.1
25°	682.8	680.6	682.8	682.8	687.1
27.5°	615.8	618.0	620.1	618.0	622.3
30°	555.3	559.6	561.8	557.5	563.9
32.5°	501.3	501.3	503.4	505.6	507.8
35°	453.7	451.6	455.9	455.9	458.1
37.5°	408.4	408.4	408.4	410.5	412.7
40°	367.3	367.3	369.5	369.5	371.6
42.5°	330.6	328.4	330.6	330.6	330.6
45°	296.0	298.2	298.2	298.2	298.2
47.5°	265.8	265.8	267.9	265.8	267.9
50°	237.7	237.7	237.7	237.7	239.8
52.5°	211.7	211.7	211.7	211.7	213.9
55°	190.1	188.0	190.1	188.0	190.1
57.5°	168.5	168.5	168.5	168.5	168.5
60°	149.1	146.9	149.1	146.9	149.1
62.5°	129.6	129.6	129.6	129.6	129.6
65°	112.4	112.4	112.4	112.4	112.4
67.5°	97.2	97.2	97.2	95.1	95.1
70°	82.1	82.1	82.1	82.1	82.1
72.5°	69.1	67.0	67.0	67.0	67.0
75°	56.2	54.0	54.0	54.0	54.0
77.5°	43.2	43.2	41.1	41.1	43.2
80°	32.4	30.2	30.2	30.2	30.2
82.5°	19.4	19.4	19.4	19.4	19.4
85°	10.8	10.8	10.8	10.8	10.8
87.5°	2.2	2.2	2.2	4.3	4.3



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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)