

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: P1320408

Luminaire Tested: LDSQA3D20R309840D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309840D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

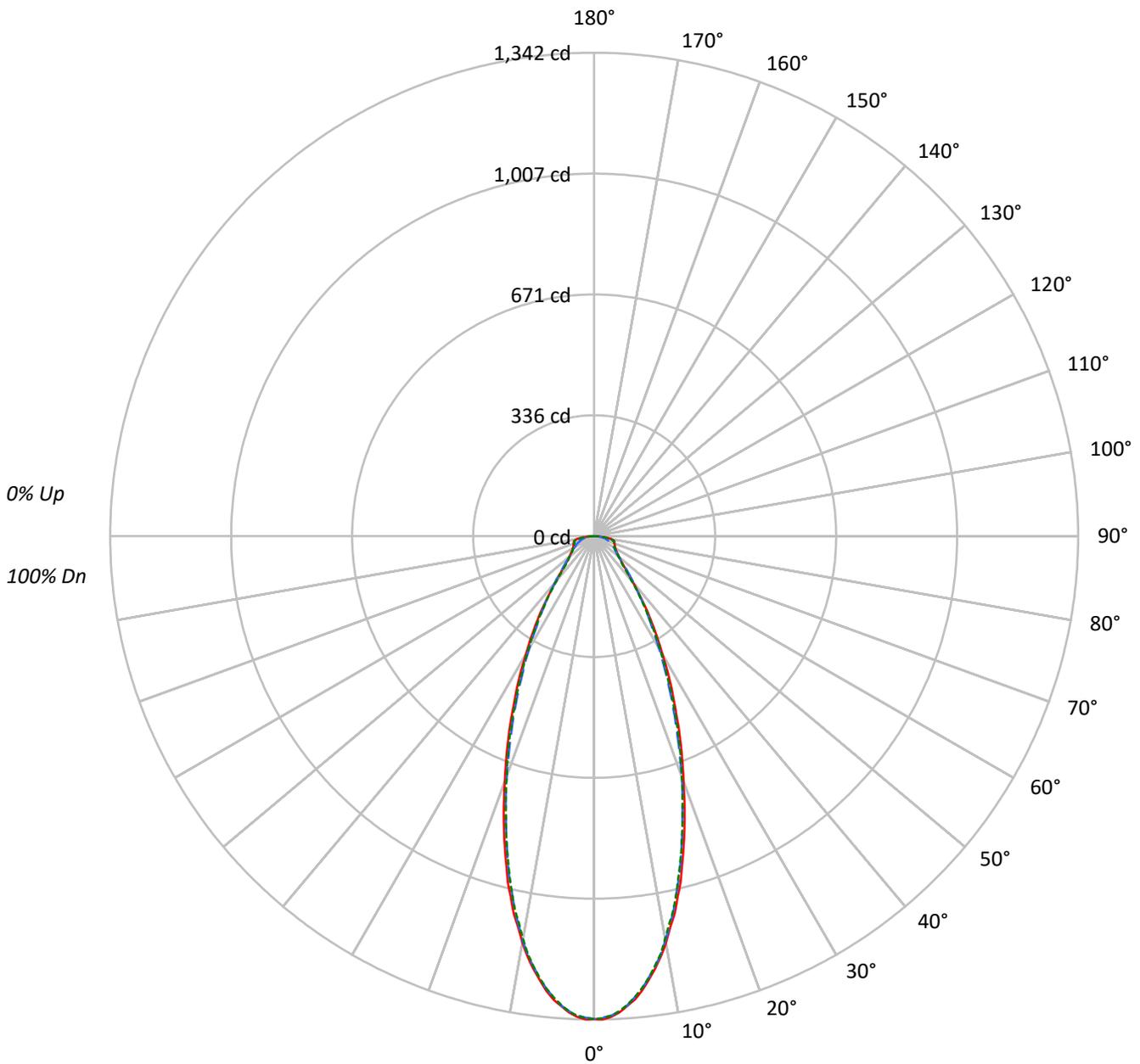
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1057.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	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	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	230847	230847	230847
5°	223327	222203	222203
10°	200429	199310	198453
15°	167992	165389	165104
20°	132618	129942	129942
25°	101512	97522	99365
30°	75330	71472	73083
35°	54453	52078	52414
40°	37478	38220	36398
45°	27985	29178	26816
50°	24301	23846	23846
55°	22850	21859	22369
60°	23422	21734	22871
65°	25714	21761	25062
70°	30162	22005	29357
75°	38794	23689	37729
80°	48201	25687	44928
85°	38335	25688	35173

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 48201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	11.2
10°-20°	257.0	24.3
20°-30°	239.5	22.7
30°-40°	158.9	15.0
40°-50°	92.5	8.8
50°-60°	67.3	6.4
60°-70°	56.9	5.4
70°-80°	47.1	4.5
80°-90°	19.6	1.9
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°	614.6	58.1
0°-40°	773.5	73.2
0°-60°	933.4	88.3
0°-90°	1057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1292	1290	1285	1285	1285	119
15°	942	932	928	926	926	260
25°	534	524	513	515	523	246
35°	259	254	248	249	249	163
45°	115	117	120	113	110	92
55°	76	74	73	74	74	69
65°	63	57	53	57	62	63
75°	58	44	36	44	57	60
85°	19	23	13	21	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.4	1340.4	1340.4	1340.4	1340.4
1°	1342.0	1340.4	1337.1	1338.8	1338.8
2°	1335.5	1333.9	1332.3	1332.3	1332.3
3°	1324.2	1322.6	1321.0	1321.0	1321.0
4°	1308.0	1306.4	1306.4	1304.8	1304.8
5°	1291.8	1290.2	1285.3	1285.3	1285.3
6°	1269.2	1267.5	1264.3	1262.7	1262.7
7°	1241.6	1241.6	1236.8	1235.2	1236.8
8°	1212.5	1210.9	1207.6	1206.0	1206.0
9°	1181.7	1176.9	1176.9	1172.0	1175.3
10°	1146.1	1142.9	1139.7	1136.4	1134.8
11°	1105.7	1104.0	1099.2	1095.9	1094.3
12°	1071.7	1063.6	1060.3	1055.5	1058.7
13°	1028.0	1023.1	1015.0	1013.4	1015.0
14°	990.7	981.0	974.5	971.3	969.7
15°	942.2	932.4	927.6	926.0	926.0
17.5°	833.7	827.2	814.3	814.3	814.3
20°	723.6	717.1	709.0	707.4	709.0
22.5°	628.1	616.8	603.8	605.4	615.2
25°	534.2	524.5	513.2	514.8	522.9
27.5°	454.9	441.9	430.6	433.8	438.7
30°	378.8	370.7	359.4	362.6	367.5
32.5°	314.1	309.2	296.2	299.5	304.3
35°	259.0	254.2	247.7	249.3	249.3
37.5°	207.2	207.2	205.6	204.0	202.4
40°	166.7	170.0	170.0	165.1	161.9
42.5°	136.0	139.2	142.5	136.0	131.1
45°	114.9	116.6	119.8	113.3	110.1
47.5°	100.4	100.4	103.6	98.7	97.1
50°	90.7	90.7	89.0	87.4	89.0
52.5°	82.6	80.9	79.3	80.9	80.9
55°	76.1	74.5	72.8	74.5	74.5
57.5°	71.2	69.6	68.0	68.0	69.6
60°	68.0	64.8	63.1	64.8	66.4
62.5°	64.8	59.9	58.3	59.9	63.1
65°	63.1	56.7	53.4	56.7	61.5
67.5°	61.5	53.4	48.6	53.4	59.9
70°	59.9	50.2	43.7	50.2	58.3
72.5°	58.3	46.9	40.5	46.9	58.3
75°	58.3	43.7	35.6	43.7	56.7
77.5°	55.0	40.5	30.8	40.5	53.4
80°	48.6	37.2	25.9	35.6	45.3
82.5°	35.6	32.4	19.4	30.8	34.0
85°	19.4	22.7	13.0	21.0	17.8
87.5°	3.2	4.9	3.2	9.7	6.5



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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)