

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: P1320425

Luminaire Tested: LDSQA3D20R359840D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320425
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: LDSQA3D20R359840D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

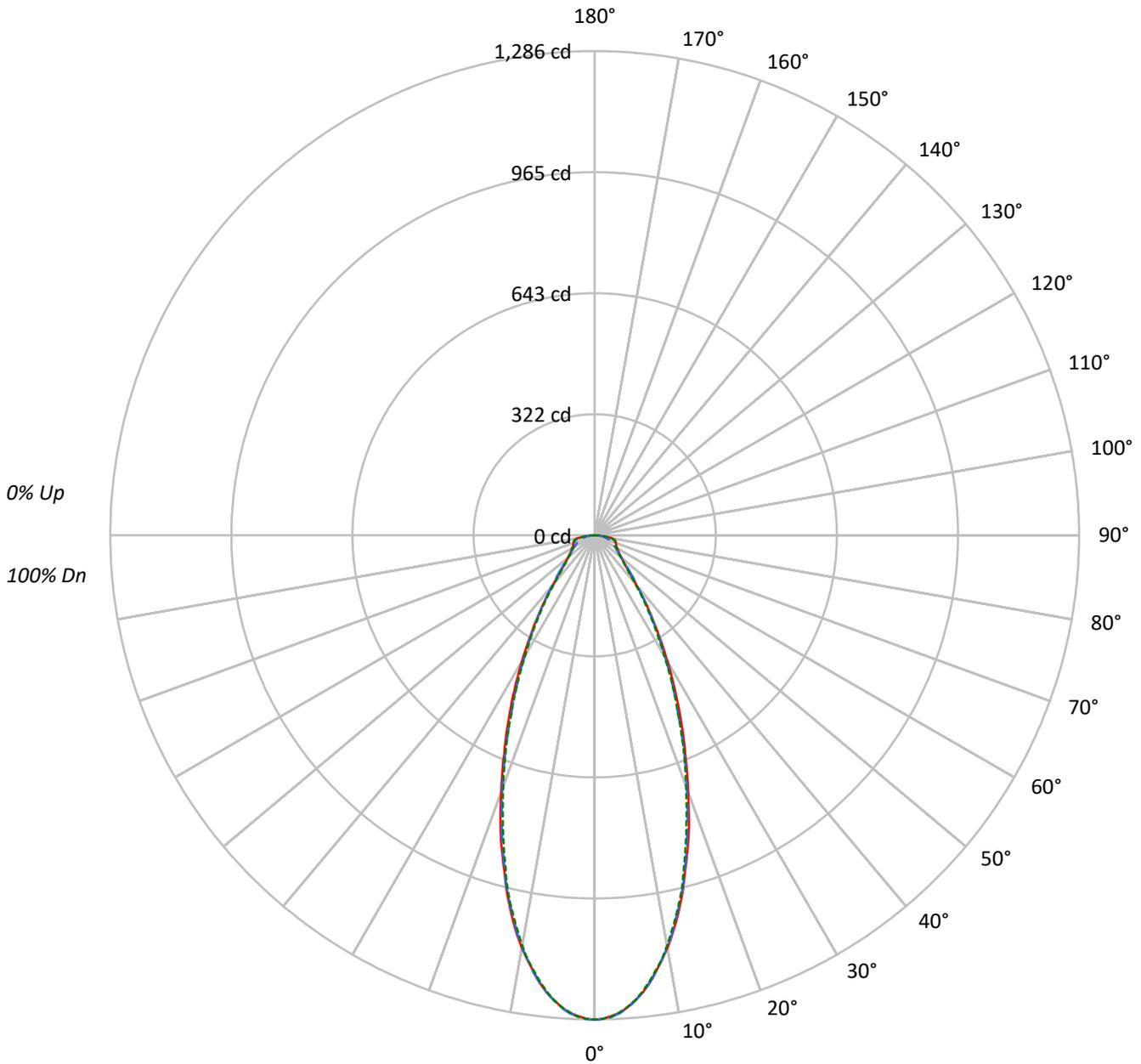
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1064.0 lumens
Efficiency: N/A
Efficacy: 38.8 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): 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% Up
100% Dn

— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72	72	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	60	60	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56	56	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52	52	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49	49	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	221478	221478	221478
5°	214199	214493	214199
10°	194588	194309	193452
15°	165175	164605	163160
20°	132985	131207	130016
25°	102804	99726	99726
30°	76663	74077	73441
35°	55168	54474	53129
40°	38602	39681	37140
45°	28789	30372	28009
50°	24730	24730	24301
55°	23330	22369	22850
60°	23973	21769	22871
65°	25755	21761	25062
70°	30162	22861	29357
75°	37729	23689	36664
80°	48201	25687	43341
85°	38335	25688	38335

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°	114.2	10.7
10°-20°	254.9	24.0
20°-30°	243.4	22.9
30°-40°	163.5	15.4
40°-50°	96.0	9.0
50°-60°	68.6	6.5
60°-70°	57.1	5.4
70°-80°	46.9	4.4
80°-90°	19.3	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°	612.6	57.6
0°-40°	776.1	72.9
0°-60°	940.7	88.4
0°-90°	1064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1239	1242	1241	1239	1239	114
15°	926	928	923	917	915	257
25°	541	534	525	525	525	248
35°	262	262	259	254	253	166
45°	118	122	125	118	115	95
55°	78	76	74	74	76	71
65°	63	57	53	57	62	63
75°	57	44	36	44	55	59
85°	19	21	13	21	19	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.0	1286.0	1286.0	1286.0	1286.0
1°	1284.4	1286.0	1286.0	1284.4	1284.4
2°	1277.9	1281.1	1279.5	1277.9	1279.5
3°	1269.8	1273.0	1271.4	1269.8	1268.2
4°	1256.8	1260.1	1258.5	1255.2	1255.2
5°	1239.0	1242.3	1240.7	1239.0	1239.0
6°	1221.2	1224.5	1221.2	1218.0	1218.0
7°	1196.9	1201.8	1198.5	1195.3	1193.7
8°	1169.4	1174.2	1171.0	1169.4	1166.1
9°	1141.9	1145.1	1140.2	1140.2	1140.2
10°	1112.7	1114.3	1111.1	1106.2	1106.2
11°	1080.3	1078.7	1077.1	1073.8	1070.6
12°	1044.7	1044.7	1039.8	1036.6	1035.0
13°	1007.4	1005.8	1002.6	999.3	999.3
14°	968.6	968.6	965.3	958.8	960.5
15°	926.4	928.1	923.2	916.7	915.1
17.5°	830.9	827.6	819.5	814.7	809.8
20°	725.6	724.0	715.9	711.0	709.4
22.5°	628.4	626.8	618.7	613.8	617.1
25°	541.0	534.5	524.8	524.8	524.8
27.5°	460.0	451.9	445.4	442.2	445.4
30°	385.5	379.0	372.5	370.9	369.3
32.5°	319.1	315.8	312.6	307.7	307.7
35°	262.4	262.4	259.1	254.3	252.7
37.5°	213.8	215.4	213.8	208.9	207.3
40°	171.7	174.9	176.5	171.7	165.2
42.5°	140.9	145.8	149.0	140.9	136.1
45°	118.2	121.5	124.7	118.2	115.0
47.5°	103.7	105.3	106.9	102.0	100.4
50°	92.3	92.3	92.3	90.7	90.7
52.5°	84.2	84.2	82.6	81.0	81.0
55°	77.7	76.1	74.5	74.5	76.1
57.5°	72.9	71.3	68.0	69.6	71.3
60°	69.6	66.4	63.2	64.8	66.4
62.5°	64.8	61.5	58.3	59.9	63.2
65°	63.2	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	45.4	50.2	58.3
72.5°	58.3	47.0	40.5	47.0	56.7
75°	56.7	43.7	35.6	43.7	55.1
77.5°	53.4	40.5	30.8	40.5	50.2
80°	48.6	37.3	25.9	35.6	43.7
82.5°	35.6	30.8	21.1	30.8	32.4
85°	19.4	21.1	13.0	21.1	19.4
87.5°	1.6	3.2	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)