

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: P1319549

Luminaire Tested: LDSQA3D20R359835D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319549
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: LDSQA3D20R359835D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

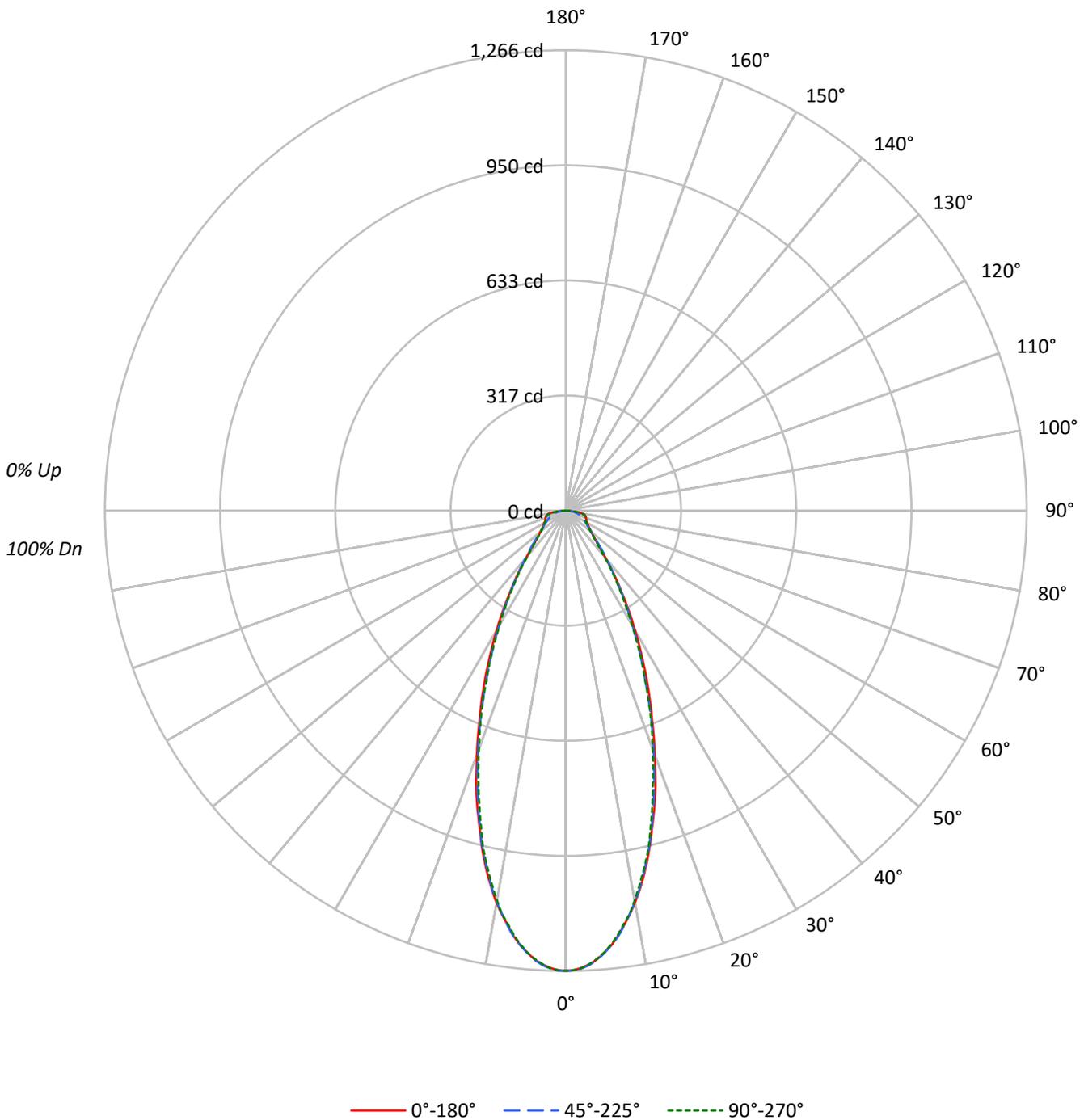
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1047.0 lumens
Efficiency: N/A
Efficacy: 38.2 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





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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°	217948	217948	217948
5°	210776	211053	210776
10°	191476	191196	190356
15°	162536	161984	160557
20°	130859	129099	127945
25°	101151	98130	98130
30°	75430	72904	72268
35°	54285	53612	52267
40°	37972	39051	36556
45°	28326	29885	27571
50°	24328	24328	23926
55°	22970	22009	22490
60°	23595	21424	22492
65°	25347	21435	24695
70°	29709	22458	28904
75°	37130	23356	36066
80°	47408	25291	42647
85°	37742	25293	37742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 47408 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	10.7
10°-20°	250.8	24.0
20°-30°	239.5	22.9
30°-40°	160.9	15.4
40°-50°	94.4	9.0
50°-60°	67.5	6.5
60°-70°	56.3	5.4
70°-80°	46.1	4.4
80°-90°	19.0	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°	602.8	57.6
0°-40°	763.7	72.9
0°-60°	925.6	88.4
0°-90°	1047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1047.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1219	1222	1221	1219	1219	112
15°	912	913	908	902	900	253
25°	532	526	516	516	516	244
35°	258	258	255	250	249	163
45°	116	120	123	116	113	93
55°	76	75	73	73	75	70
65°	62	56	53	56	61	62
75°	56	43	35	43	54	58
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°	1265.5	1265.5	1265.5	1265.5	1265.5
1°	1263.9	1265.5	1265.5	1263.9	1263.9
2°	1257.5	1260.7	1259.1	1257.5	1259.1
3°	1249.5	1252.7	1251.1	1249.5	1247.9
4°	1236.8	1240.0	1238.4	1235.2	1235.2
5°	1219.2	1222.4	1220.8	1219.2	1219.2
6°	1201.7	1204.9	1201.7	1198.5	1198.5
7°	1177.8	1182.6	1179.4	1176.2	1174.6
8°	1150.7	1155.5	1152.3	1150.7	1147.5
9°	1123.6	1126.8	1122.0	1122.0	1122.0
10°	1094.9	1096.5	1093.3	1088.5	1088.5
11°	1063.0	1061.5	1059.9	1056.7	1053.5
12°	1028.0	1028.0	1023.2	1020.0	1018.4
13°	991.3	989.7	986.5	983.4	983.4
14°	953.1	953.1	949.9	943.5	945.1
15°	911.6	913.2	908.5	902.1	900.5
17.5°	817.6	814.4	806.4	801.7	796.9
20°	714.0	712.4	704.4	699.7	698.1
22.5°	618.4	616.8	608.8	604.0	607.2
25°	532.3	525.9	516.4	516.4	516.4
27.5°	452.6	444.7	438.3	435.1	438.3
30°	379.3	372.9	366.6	365.0	363.4
32.5°	314.0	310.8	307.6	302.8	302.8
35°	258.2	258.2	255.0	250.2	248.6
37.5°	210.4	212.0	210.4	205.6	204.0
40°	168.9	172.1	173.7	168.9	162.6
42.5°	138.7	143.4	146.6	138.7	133.9
45°	116.3	119.5	122.7	116.3	113.2
47.5°	102.0	103.6	105.2	100.4	98.8
50°	90.8	90.8	90.8	89.3	89.3
52.5°	82.9	82.9	81.3	79.7	79.7
55°	76.5	74.9	73.3	73.3	74.9
57.5°	71.7	70.1	66.9	68.5	70.1
60°	68.5	65.3	62.2	63.8	65.3
62.5°	63.8	60.6	57.4	59.0	62.2
65°	62.2	55.8	52.6	55.8	60.6
67.5°	60.6	52.6	47.8	52.6	59.0
70°	59.0	49.4	44.6	49.4	57.4
72.5°	57.4	46.2	39.8	46.2	55.8
75°	55.8	43.0	35.1	43.0	54.2
77.5°	52.6	39.8	30.3	39.8	49.4
80°	47.8	36.7	25.5	35.1	43.0
82.5°	35.1	30.3	20.7	30.3	31.9
85°	19.1	20.7	12.8	20.7	19.1
87.5°	1.6	3.2	3.2	9.6	6.4



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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)