

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: P1319386

Luminaire Tested: LDSQA3D17R309835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319386
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: LDSQA3D17R309835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

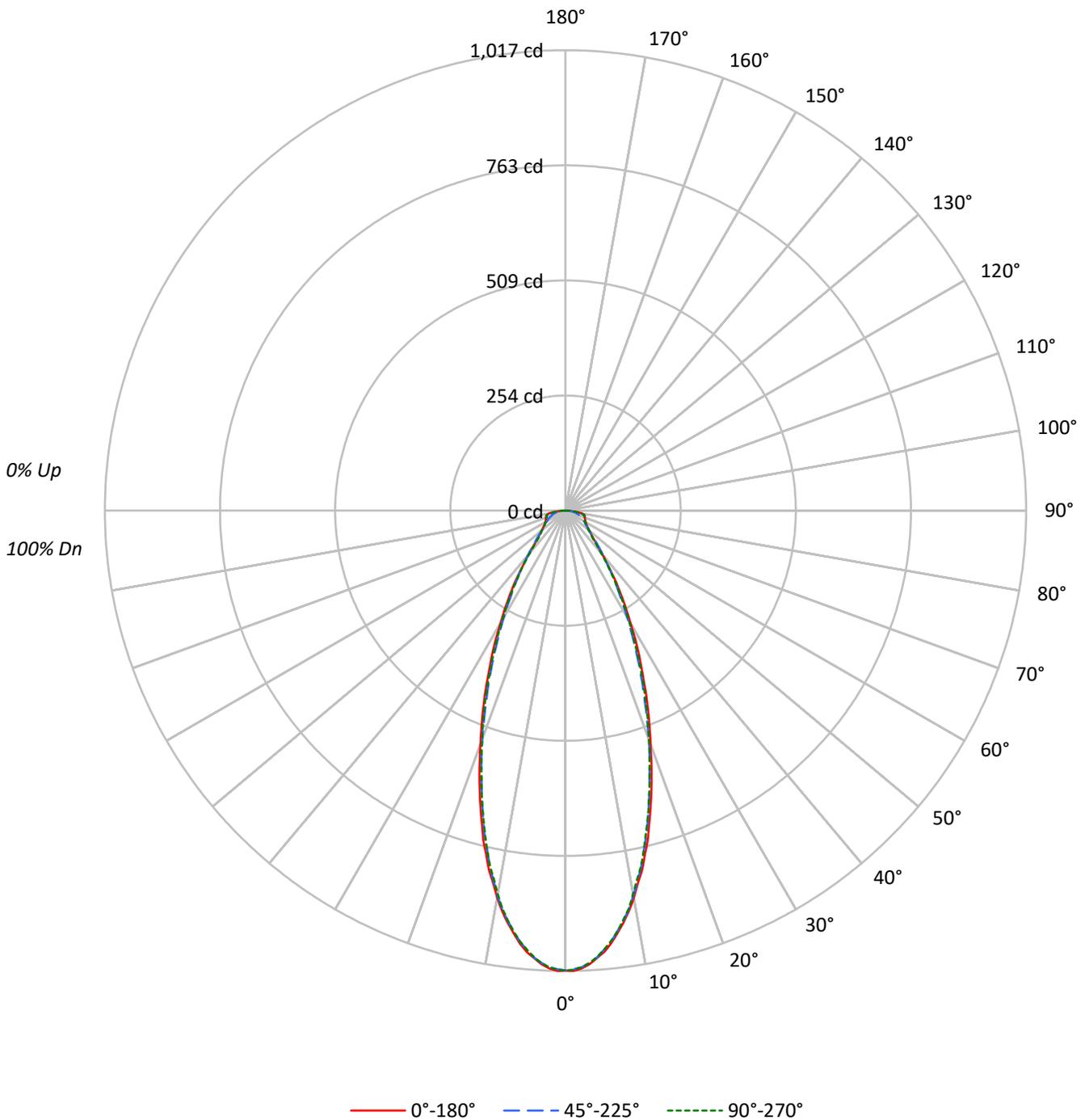
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.0 lumens
Efficiency: N/A
Efficacy: 39.3 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): 20.4
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	100	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	56	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52	52	52	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46	46	46	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	174944	174944	174944
5°	169233	168386	168386
10°	151883	151026	150396
15°	127305	125326	125112
20°	100508	98474	98474
25°	76923	73901	75289
30°	57094	54151	55384
35°	41271	39463	39715
40°	28417	28957	27585
45°	21214	22115	20313
50°	18407	18085	18085
55°	17325	16574	16935
60°	17739	16464	17326
65°	19479	16504	18990
70°	22861	16667	22257
75°	29411	17966	28546
80°	36498	19439	34018
85°	29048	19365	26676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 36498 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	11.2
10°-20°	194.8	24.3
20°-30°	181.5	22.7
30°-40°	120.4	15.0
40°-50°	70.1	8.8
50°-60°	51.0	6.4
60°-70°	43.1	5.4
70°-80°	35.7	4.5
80°-90°	14.9	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°	465.8	58.2
0°-40°	586.2	73.2
0°-60°	707.3	88.3
0°-90°	801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	979	978	974	974	974	90
15°	714	707	703	702	702	197
25°	405	398	389	390	396	187
35°	196	193	188	189	189	123
45°	87	88	91	86	83	70
55°	58	56	55	56	56	52
65°	48	43	40	43	47	48
75°	44	33	27	33	43	45
85°	15	17	10	16	14	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.8	1015.8	1015.8	1015.8	1015.8
1°	1017.0	1015.8	1013.3	1014.5	1014.5
2°	1012.1	1010.8	1009.6	1009.6	1009.6
3°	1003.5	1002.3	1001.0	1001.0	1001.0
4°	991.2	990.0	990.0	988.8	988.8
5°	978.9	977.7	974.0	974.0	974.0
6°	961.8	960.5	958.1	956.9	956.9
7°	940.9	940.9	937.2	936.0	937.2
8°	918.8	917.6	915.2	913.9	913.9
9°	895.5	891.8	891.8	888.2	890.6
10°	868.5	866.1	863.6	861.2	860.0
11°	837.9	836.6	833.0	830.5	829.3
12°	812.1	806.0	803.5	799.8	802.3
13°	779.0	775.3	769.2	767.9	769.2
14°	750.8	743.4	738.5	736.1	734.8
15°	714.0	706.6	702.9	701.7	701.7
17.5°	631.8	626.9	617.1	617.1	617.1
20°	548.4	543.5	537.3	536.1	537.3
22.5°	476.0	467.4	457.6	458.8	466.2
25°	404.8	397.5	388.9	390.1	396.2
27.5°	344.7	334.9	326.3	328.8	332.5
30°	287.1	280.9	272.3	274.8	278.5
32.5°	238.0	234.3	224.5	226.9	230.6
35°	196.3	192.6	187.7	188.9	188.9
37.5°	157.0	157.0	155.8	154.6	153.3
40°	126.4	128.8	128.8	125.1	122.7
42.5°	103.0	105.5	108.0	103.0	99.4
45°	87.1	88.3	90.8	85.9	83.4
47.5°	76.1	76.1	78.5	74.8	73.6
50°	68.7	68.7	67.5	66.2	67.5
52.5°	62.6	61.3	60.1	61.3	61.3
55°	57.7	56.4	55.2	56.4	56.4
57.5°	54.0	52.8	51.5	51.5	52.8
60°	51.5	49.1	47.8	49.1	50.3
62.5°	49.1	45.4	44.2	45.4	47.8
65°	47.8	42.9	40.5	42.9	46.6
67.5°	46.6	40.5	36.8	40.5	45.4
70°	45.4	38.0	33.1	38.0	44.2
72.5°	44.2	35.6	30.7	35.6	44.2
75°	44.2	33.1	27.0	33.1	42.9
77.5°	41.7	30.7	23.3	30.7	40.5
80°	36.8	28.2	19.6	27.0	34.3
82.5°	27.0	24.5	14.7	23.3	25.8
85°	14.7	17.2	9.8	15.9	13.5
87.5°	2.5	3.7	2.5	7.4	4.9



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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)