

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: P1320262

Luminaire Tested: LDSQA3D17R309840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320262
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: LDSQA3D17R309840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

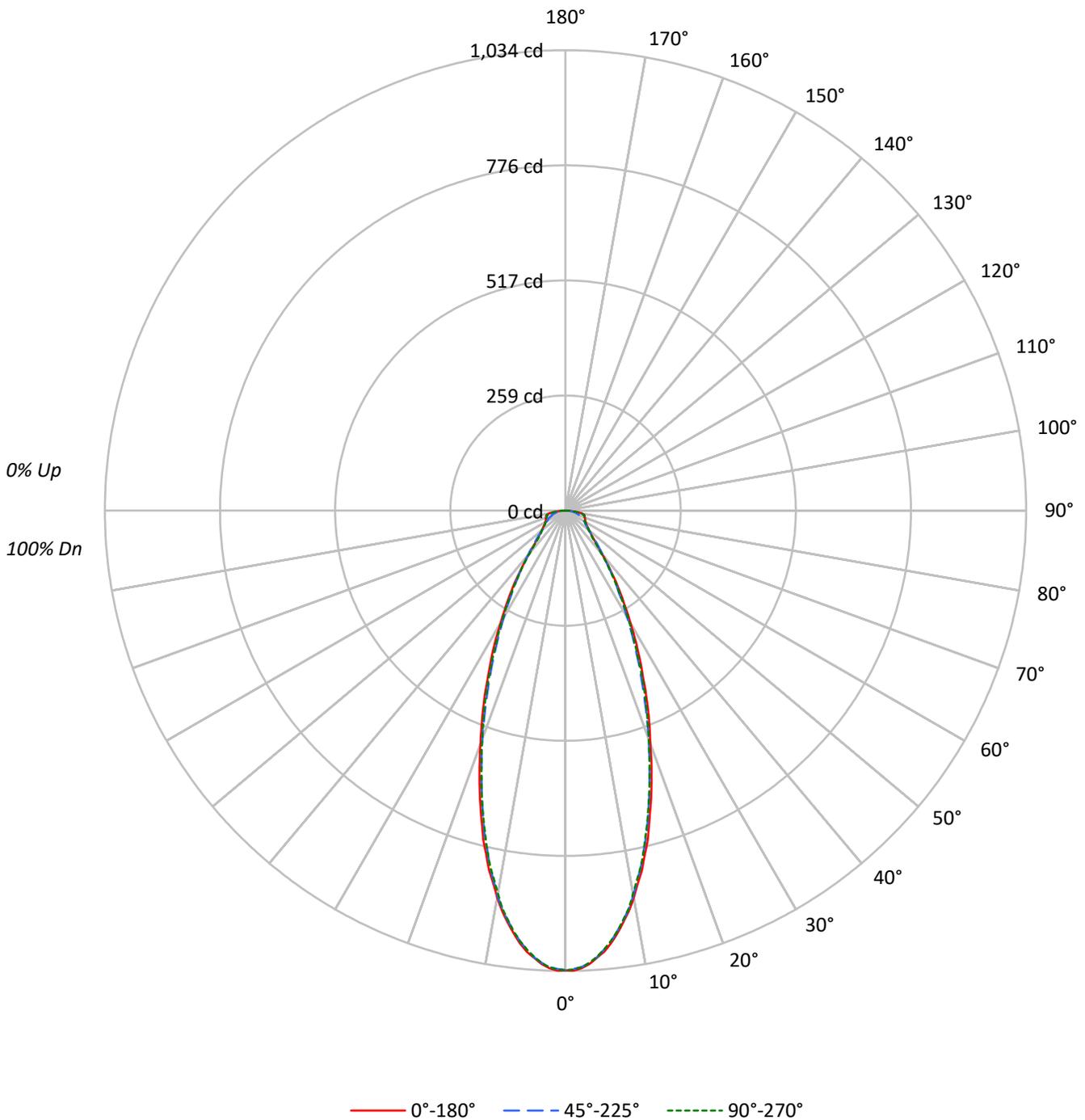
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 814.0 lumens
Efficiency: N/A
Efficacy: 39.9 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52		
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	177768	177768	177768
5°	171982	171134	171134
10°	154349	153492	152827
15°	129373	127358	127144
20°	102139	100068	100068
25°	78177	75099	76524
30°	58009	55046	56279
35°	41944	40094	40367
40°	28867	29429	28035
45°	21555	22481	20654
50°	18702	18380	18380
55°	17595	16845	17205
60°	18049	16740	17601
65°	19805	16749	19316
70°	23213	16969	22609
75°	29877	18232	29012
80°	37093	19737	34613
85°	29640	19760	27072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 37093 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	11.2
10°-20°	197.9	24.3
20°-30°	184.4	22.7
30°-40°	122.4	15.0
40°-50°	71.2	8.8
50°-60°	51.8	6.4
60°-70°	43.8	5.4
70°-80°	36.3	4.5
80°-90°	15.1	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°	473.3	58.1
0°-40°	595.7	73.2
0°-60°	718.8	88.3
0°-90°	814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	995	994	990	990	990	91
15°	726	718	714	713	713	200
25°	411	404	395	396	403	190
35°	200	196	191	192	192	125
45°	88	90	92	87	85	71
55°	59	57	56	57	57	53
65°	49	44	41	44	47	48
75°	45	34	27	34	44	46
85°	15	18	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°	1032.2	1032.2	1032.2	1032.2	1032.2
1°	1033.5	1032.2	1029.7	1031.0	1031.0
2°	1028.5	1027.3	1026.0	1026.0	1026.0
3°	1019.8	1018.5	1017.3	1017.3	1017.3
4°	1007.3	1006.1	1006.1	1004.8	1004.8
5°	994.8	993.6	989.9	989.9	989.9
6°	977.4	976.1	973.6	972.4	972.4
7°	956.2	956.2	952.5	951.2	952.5
8°	933.8	932.5	930.0	928.8	928.8
9°	910.1	906.3	906.3	902.6	905.1
10°	882.6	880.1	877.7	875.2	873.9
11°	851.5	850.2	846.5	844.0	842.7
12°	825.3	819.1	816.6	812.8	815.3
13°	791.6	787.9	781.7	780.4	781.7
14°	763.0	755.5	750.5	748.0	746.8
15°	725.6	718.1	714.3	713.1	713.1
17.5°	642.0	637.0	627.1	627.1	627.1
20°	557.3	552.3	546.0	544.8	546.0
22.5°	483.7	475.0	465.0	466.3	473.7
25°	411.4	403.9	395.2	396.4	402.7
27.5°	350.3	340.3	331.6	334.1	337.8
30°	291.7	285.5	276.8	279.3	283.0
32.5°	241.9	238.1	228.1	230.6	234.4
35°	199.5	195.7	190.7	192.0	192.0
37.5°	159.6	159.6	158.3	157.1	155.8
40°	128.4	130.9	130.9	127.2	124.7
42.5°	104.7	107.2	109.7	104.7	101.0
45°	88.5	89.8	92.3	87.3	84.8
47.5°	77.3	77.3	79.8	76.0	74.8
50°	69.8	69.8	68.6	67.3	68.6
52.5°	63.6	62.3	61.1	62.3	62.3
55°	58.6	57.3	56.1	57.3	57.3
57.5°	54.9	53.6	52.4	52.4	53.6
60°	52.4	49.9	48.6	49.9	51.1
62.5°	49.9	46.1	44.9	46.1	48.6
65°	48.6	43.6	41.1	43.6	47.4
67.5°	47.4	41.1	37.4	41.1	46.1
70°	46.1	38.6	33.7	38.6	44.9
72.5°	44.9	36.2	31.2	36.2	44.9
75°	44.9	33.7	27.4	33.7	43.6
77.5°	42.4	31.2	23.7	31.2	41.1
80°	37.4	28.7	19.9	27.4	34.9
82.5°	27.4	24.9	15.0	23.7	26.2
85°	15.0	17.5	10.0	16.2	13.7
87.5°	2.5	3.7	2.5	7.5	5.0



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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)