

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: P1318639

Luminaire Tested: LDSQA3D20R259830D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259830D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

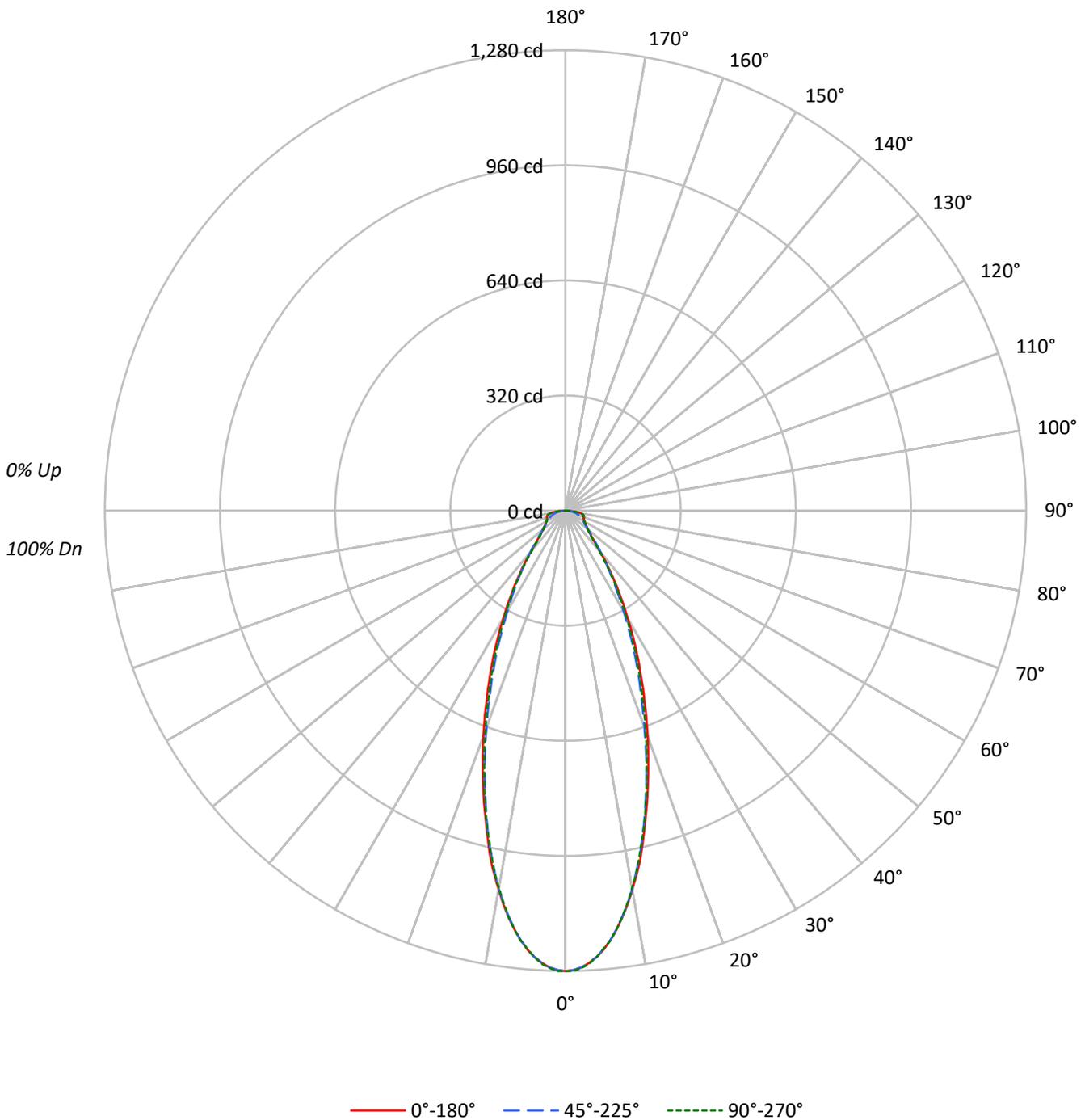
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 967.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	89	
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	80	
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	72	
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	66	
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	61	
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	56	
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	53	
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	49	
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	46	
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	44	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	220514	220514	220514
5°	211571	211312	211312
10°	187034	186771	186229
15°	154460	152284	153104
20°	122373	117333	119294
25°	93208	88267	90586
30°	68668	63816	66540
35°	49155	46906	47536
40°	33656	34353	32644
45°	24941	26426	24551
50°	21702	21702	21301
55°	20658	19727	20658
60°	21046	19461	21046
65°	23025	19927	23025
70°	27695	19991	26940
75°	34535	21360	34535
80°	43936	22712	40961
85°	36161	21144	36161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 43936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	11.6
10°-20°	237.4	24.6
20°-30°	217.5	22.5
30°-40°	143.5	14.8
40°-50°	83.5	8.6
50°-60°	61.0	6.3
60°-70°	51.8	5.4
70°-80°	42.9	4.4
80°-90°	17.7	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°	566.7	58.6
0°-40°	710.2	73.4
0°-60°	854.7	88.4
0°-90°	967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1224	1222	1222	1224	1222	112
15°	866	863	854	857	859	240
25°	490	477	464	466	477	225
35°	234	229	223	223	226	148
45°	102	105	108	102	101	83
55°	69	69	66	67	69	62
65°	56	52	49	52	56	56
75°	52	40	32	40	52	54
85°	18	20	11	20	18	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1280.4	1280.4	1280.4	1280.4	1280.4
1°	1277.3	1277.3	1277.3	1277.3	1280.4
2°	1271.2	1269.7	1271.2	1271.2	1272.7
3°	1259.0	1259.0	1259.0	1259.0	1262.0
4°	1243.7	1243.7	1243.7	1243.7	1243.7
5°	1223.8	1222.3	1222.3	1223.8	1222.3
6°	1199.4	1199.4	1199.4	1199.4	1200.9
7°	1171.9	1170.4	1170.4	1168.8	1171.9
8°	1139.8	1139.8	1138.3	1136.8	1139.8
9°	1106.2	1107.7	1104.7	1103.1	1103.1
10°	1069.5	1068.0	1068.0	1068.0	1064.9
11°	1032.9	1028.3	1026.7	1026.7	1029.8
12°	996.2	988.6	985.5	985.5	985.5
13°	951.9	948.8	944.2	941.2	942.7
14°	907.6	907.6	899.9	899.9	903.0
15°	866.3	863.3	854.1	857.2	858.7
17.5°	763.9	757.8	747.1	747.1	748.7
20°	667.7	657.0	640.2	647.8	650.9
22.5°	573.0	562.3	545.5	553.1	556.2
25°	490.5	476.7	464.5	466.0	476.7
27.5°	415.6	400.3	388.1	392.7	398.8
30°	345.3	336.1	320.9	328.5	334.6
32.5°	285.7	278.1	267.4	272.0	278.1
35°	233.8	229.2	223.1	223.1	226.1
37.5°	189.5	187.9	184.9	183.3	181.8
40°	149.7	152.8	152.8	149.7	145.2
42.5°	122.2	125.3	128.3	122.2	117.6
45°	102.4	105.4	108.5	102.4	100.8
47.5°	90.1	91.7	93.2	90.1	88.6
50°	81.0	81.0	81.0	79.5	79.5
52.5°	74.9	73.3	71.8	73.3	73.3
55°	68.8	68.8	65.7	67.2	68.8
57.5°	64.2	62.6	61.1	62.6	64.2
60°	61.1	58.1	56.5	58.1	61.1
62.5°	58.1	55.0	51.9	55.0	58.1
65°	56.5	51.9	48.9	51.9	56.5
67.5°	55.0	48.9	44.3	48.9	55.0
70°	55.0	45.8	39.7	45.8	53.5
72.5°	53.5	42.8	36.7	42.8	53.5
75°	51.9	39.7	32.1	39.7	51.9
77.5°	50.4	36.7	27.5	36.7	48.9
80°	44.3	33.6	22.9	33.6	41.3
82.5°	32.1	27.5	18.3	27.5	30.6
85°	18.3	19.9	10.7	19.9	18.3
87.5°	3.1	4.6	3.1	7.6	6.1



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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)