

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: P1319515

Luminaire Tested: LDSQA3D20R259835D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319515
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: LDSQA3D20R259835D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

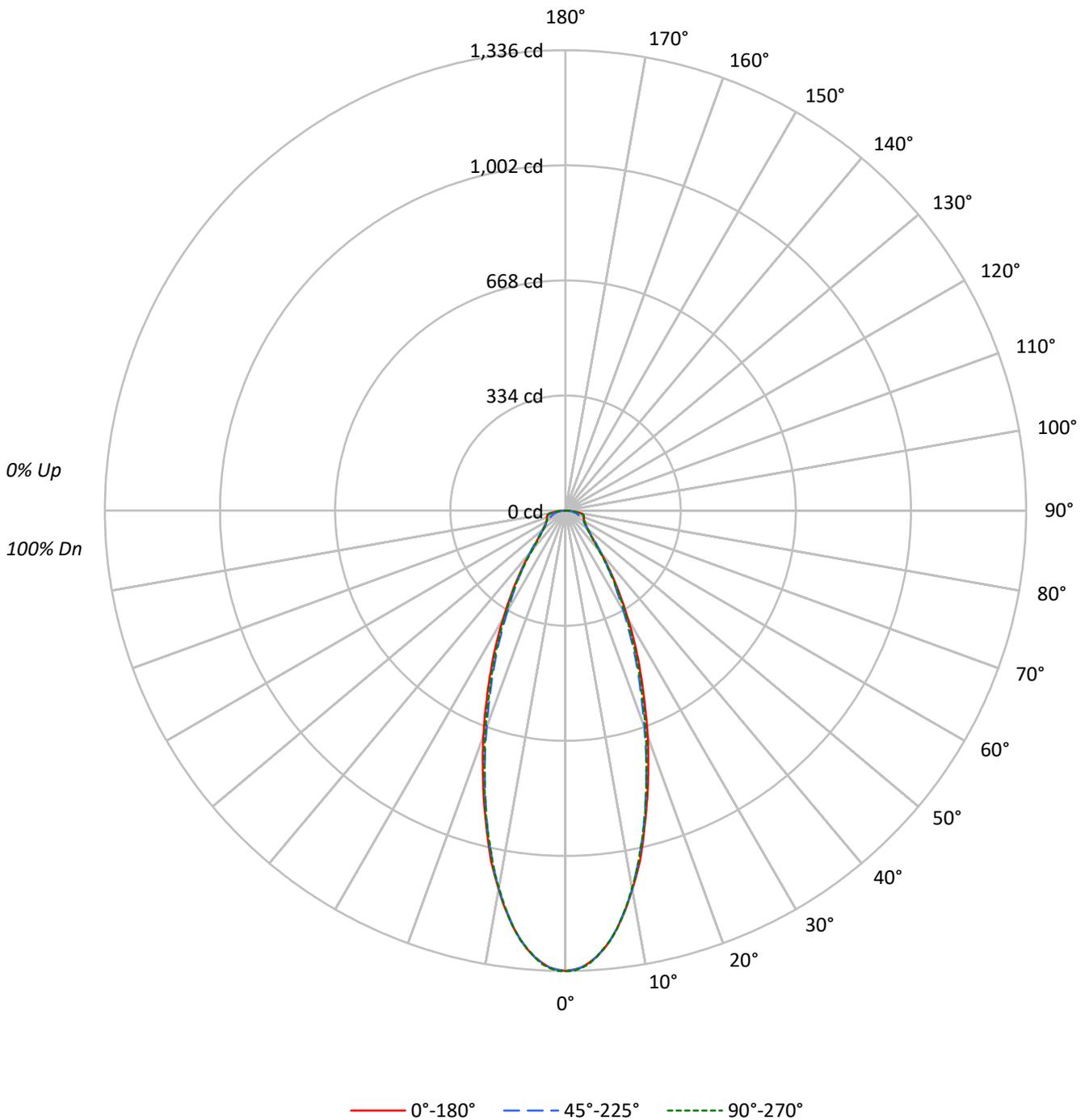
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.0 lumens
Efficiency: N/A
Efficacy: 36.8 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	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	93	89	85	89	86	83	87	84	81	80		
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56		
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	53		
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49		
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	230089	230089	230089
5°	220768	220492	220492
10°	195165	194886	194326
15°	161164	158899	159755
20°	127688	122428	124481
25°	97256	92106	94519
30°	71651	66580	69424
35°	51279	48945	49618
40°	35117	35836	34060
45°	26012	27571	25622
50°	22640	22640	22211
55°	21529	20598	21529
60°	21976	20322	21976
65°	24043	20783	24043
70°	28904	20897	28098
75°	36066	22291	36066
80°	45821	23704	42647
85°	37742	22132	37742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 45821 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	11.6
10°-20°	247.7	24.6
20°-30°	227.0	22.5
30°-40°	149.7	14.8
40°-50°	87.1	8.6
50°-60°	63.7	6.3
60°-70°	54.0	5.4
70°-80°	44.7	4.4
80°-90°	18.4	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°	591.3	58.6
0°-40°	741.0	73.4
0°-60°	891.8	88.4
0°-90°	1009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1336	1336	1336	1336	1336	
5°	1277	1275	1275	1277	1275	117
15°	904	901	891	894	896	250
25°	512	497	485	486	497	235
35°	244	239	233	233	236	154
45°	107	110	113	107	105	86
55°	72	72	69	70	72	65
65°	59	54	51	54	59	59
75°	54	42	34	42	54	57
85°	19	21	11	21	19	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1336.0	1336.0	1336.0	1336.0	1336.0
1°	1332.8	1332.8	1332.8	1332.8	1336.0
2°	1326.4	1324.8	1326.4	1326.4	1328.0
3°	1313.7	1313.7	1313.7	1313.7	1316.9
4°	1297.7	1297.7	1297.7	1297.7	1297.7
5°	1277.0	1275.4	1275.4	1277.0	1275.4
6°	1251.5	1251.5	1251.5	1251.5	1253.1
7°	1222.8	1221.2	1221.2	1219.6	1222.8
8°	1189.3	1189.3	1187.7	1186.1	1189.3
9°	1154.2	1155.8	1152.7	1151.1	1151.1
10°	1116.0	1114.4	1114.4	1114.4	1111.2
11°	1077.7	1072.9	1071.3	1071.3	1074.5
12°	1039.5	1031.5	1028.3	1028.3	1028.3
13°	993.2	990.0	985.3	982.1	983.7
14°	947.0	947.0	939.0	939.0	942.2
15°	903.9	900.8	891.2	894.4	896.0
17.5°	797.1	790.8	779.6	779.6	781.2
20°	696.7	685.5	668.0	676.0	679.2
22.5°	597.8	586.7	569.2	577.1	580.3
25°	511.8	497.4	484.7	486.2	497.4
27.5°	433.6	417.7	404.9	409.7	416.1
30°	360.3	350.7	334.8	342.8	349.1
32.5°	298.1	290.2	279.0	283.8	290.2
35°	243.9	239.1	232.8	232.8	236.0
37.5°	197.7	196.1	192.9	191.3	189.7
40°	156.2	159.4	159.4	156.2	151.5
42.5°	127.5	130.7	133.9	127.5	122.8
45°	106.8	110.0	113.2	106.8	105.2
47.5°	94.1	95.7	97.2	94.1	92.5
50°	84.5	84.5	84.5	82.9	82.9
52.5°	78.1	76.5	74.9	76.5	76.5
55°	71.7	71.7	68.6	70.1	71.7
57.5°	67.0	65.4	63.8	65.4	67.0
60°	63.8	60.6	59.0	60.6	63.8
62.5°	60.6	57.4	54.2	57.4	60.6
65°	59.0	54.2	51.0	54.2	59.0
67.5°	57.4	51.0	46.2	51.0	57.4
70°	57.4	47.8	41.5	47.8	55.8
72.5°	55.8	44.6	38.3	44.6	55.8
75°	54.2	41.5	33.5	41.5	54.2
77.5°	52.6	38.3	28.7	38.3	51.0
80°	46.2	35.1	23.9	35.1	43.0
82.5°	33.5	28.7	19.1	28.7	31.9
85°	19.1	20.7	11.2	20.7	19.1
87.5°	3.2	4.8	3.2	8.0	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)