

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: P1308439

Luminaire Tested: LDSQA3D20R309027D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308439
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: LDSQA3D20R309027D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

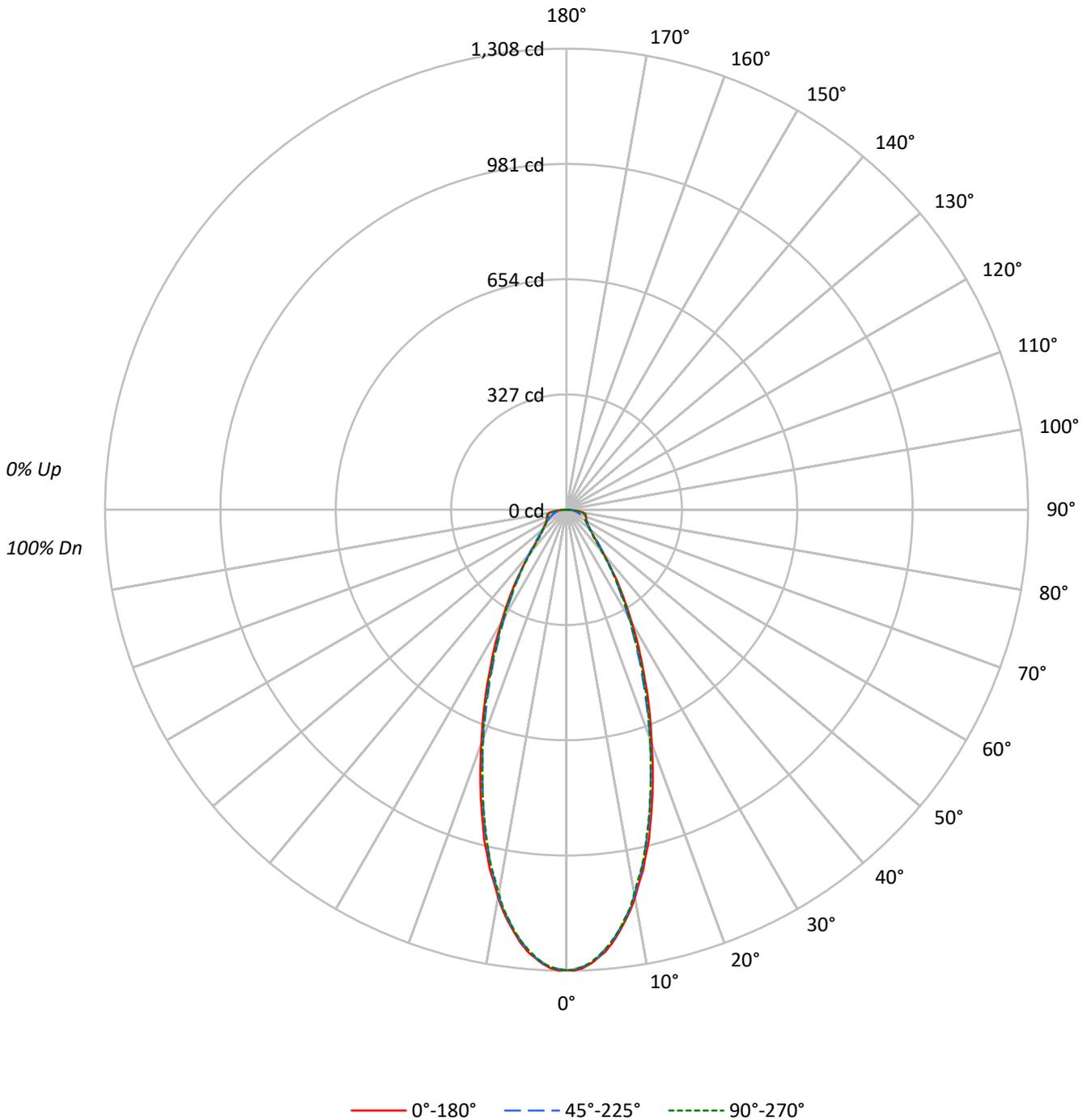
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1030.0 lumens
Efficiency: N/A
Efficacy: 35.8 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): 28.8
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	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	224940	224940	224940
5°	217622	216533	216533
10°	195323	194204	193382
15°	163695	161164	160878
20°	129228	126625	126625
25°	98928	95032	96819
30°	73401	69643	71214
35°	53066	50753	51069
40°	36533	37230	35454
45°	27279	28423	26134
50°	23658	23256	23256
55°	22249	21319	21799
60°	22837	21183	22286
65°	25062	21231	24410
70°	29407	21451	28601
75°	37796	23090	36731
80°	46912	24993	43837
85°	37347	24898	34383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 46912 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	11.2
10°-20°	250.5	24.3
20°-30°	233.3	22.7
30°-40°	154.8	15.0
40°-50°	90.1	8.8
50°-60°	65.6	6.4
60°-70°	55.5	5.4
70°-80°	45.9	4.5
80°-90°	19.1	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°	598.9	58.2
0°-40°	753.8	73.2
0°-60°	909.5	88.3
0°-90°	1030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1259	1257	1252	1252	1252	116
15°	918	909	904	902	902	254
25°	521	511	500	502	510	240
35°	252	248	241	243	243	159
45°	112	114	117	110	107	90
55°	74	73	71	73	73	67
65°	62	55	52	55	60	61
75°	57	43	35	43	55	58
85°	19	22	13	20	17	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1306.1	1306.1	1306.1	1306.1	1306.1
1°	1307.7	1306.1	1303.0	1304.6	1304.6
2°	1301.4	1299.8	1298.3	1298.3	1298.3
3°	1290.4	1288.8	1287.2	1287.2	1287.2
4°	1274.6	1273.0	1273.0	1271.4	1271.4
5°	1258.8	1257.2	1252.5	1252.5	1252.5
6°	1236.7	1235.2	1232.0	1230.4	1230.4
7°	1209.9	1209.9	1205.2	1203.6	1205.2
8°	1181.5	1179.9	1176.8	1175.2	1175.2
9°	1151.6	1146.8	1146.8	1142.1	1145.2
10°	1116.9	1113.7	1110.5	1107.4	1105.8
11°	1077.4	1075.8	1071.1	1067.9	1066.4
12°	1044.3	1036.4	1033.2	1028.5	1031.7
13°	1001.7	997.0	989.1	987.5	989.1
14°	965.4	955.9	949.6	946.5	944.9
15°	918.1	908.6	903.9	902.3	902.3
17.5°	812.4	806.1	793.5	793.5	793.5
20°	705.1	698.8	690.9	689.4	690.9
22.5°	612.1	601.0	588.4	590.0	599.4
25°	520.6	511.1	500.1	501.6	509.5
27.5°	443.3	430.6	419.6	422.8	427.5
30°	369.1	361.2	350.2	353.4	358.1
32.5°	306.0	301.3	288.7	291.8	296.6
35°	252.4	247.7	241.4	242.9	242.9
37.5°	201.9	201.9	200.3	198.8	197.2
40°	162.5	165.6	165.6	160.9	157.7
42.5°	132.5	135.7	138.8	132.5	127.8
45°	112.0	113.6	116.7	110.4	107.3
47.5°	97.8	97.8	101.0	96.2	94.6
50°	88.3	88.3	86.8	85.2	86.8
52.5°	80.5	78.9	77.3	78.9	78.9
55°	74.1	72.6	71.0	72.6	72.6
57.5°	69.4	67.8	66.3	66.3	67.8
60°	66.3	63.1	61.5	63.1	64.7
62.5°	63.1	58.4	56.8	58.4	61.5
65°	61.5	55.2	52.1	55.2	59.9
67.5°	59.9	52.1	47.3	52.1	58.4
70°	58.4	48.9	42.6	48.9	56.8
72.5°	56.8	45.7	39.4	45.7	56.8
75°	56.8	42.6	34.7	42.6	55.2
77.5°	53.6	39.4	30.0	39.4	52.1
80°	47.3	36.3	25.2	34.7	44.2
82.5°	34.7	31.5	18.9	30.0	33.1
85°	18.9	22.1	12.6	20.5	17.4
87.5°	3.2	4.7	3.2	9.5	6.3



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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)