

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: P1308927

Luminaire Tested: LDSQA3D05R309030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

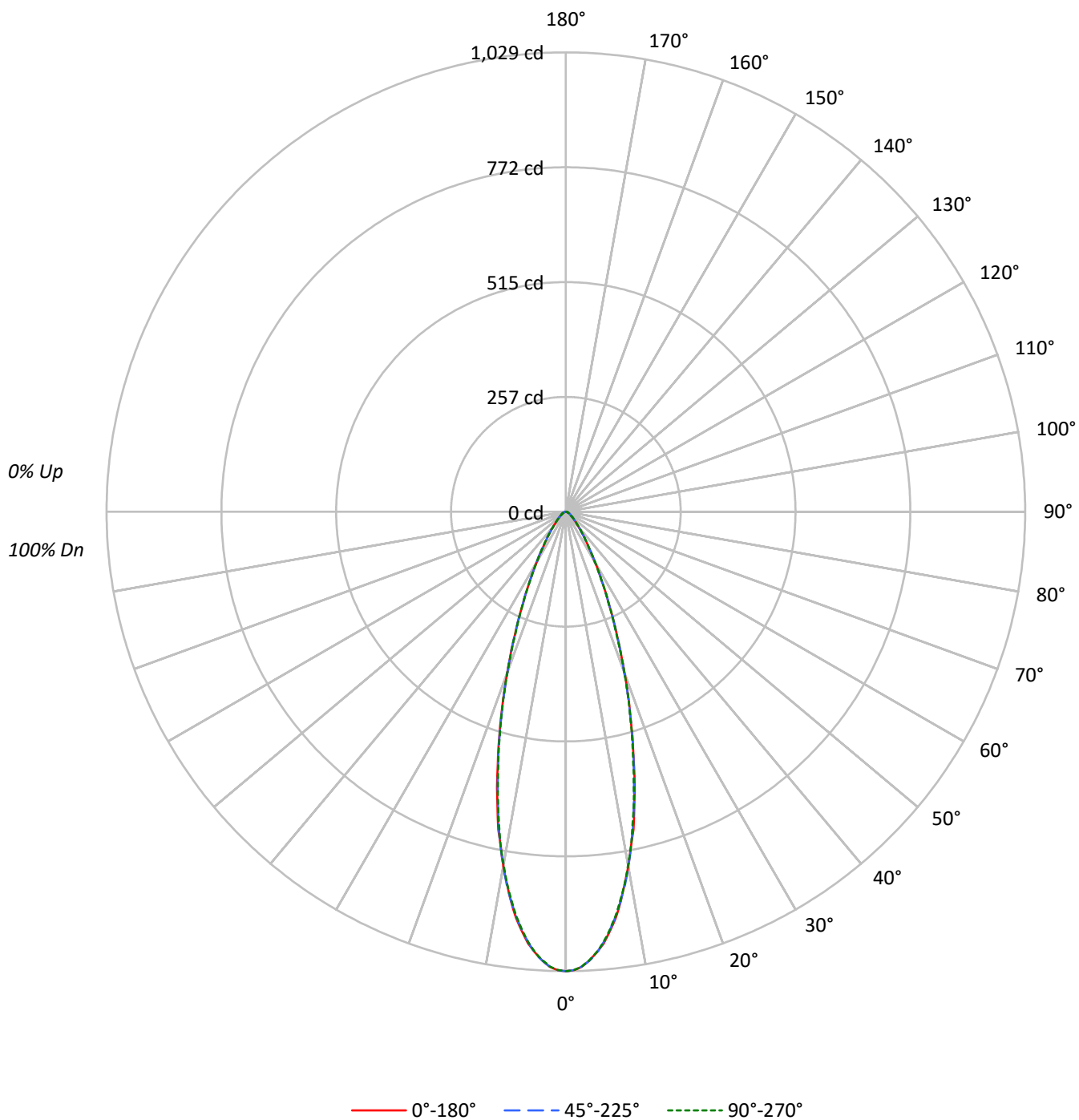
Lumens per Lamp: N/A
Luminaire Lumens: 452.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	177252	177252	177252
5°	167815	167383	167296
10°	140988	140988	140463
15°	105035	104768	104144
20°	70304	69938	70030
25°	43326	43231	43421
30°	26051	26051	26151
35°	15979	15979	16084
40°	10117	10117	10342
45°	6941	7063	7063
50°	5091	5091	5091
55°	3903	4054	4054
60°	3272	3272	3444
65°	2853	2853	2853
70°	2518	2769	2769
75°	2329	2329	2329
80°	1984	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7063 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	19.3
10°-20°	161.1	35.6
20°-30°	107.1	23.7
30°-40°	49.5	11.0
40°-50°	23.0	5.1
50°-60°	12.3	2.7
60°-70°	7.2	1.6
70°-80°	3.8	0.8
80°-90°	0.8	0.2
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°	355.4	78.6
0°-40°	404.9	89.6
0°-60°	440.2	97.4
0°-90°	452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	452.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	971	969	968	971	968	87
15°	589	591	588	588	584	162
25°	228	228	228	228	228	107
35°	76	76	76	76	76	49
45°	28	28	29	29	29	23
55°	13	14	14	14	14	12
65°	7	7	7	7	7	7
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.2	1029.2	1029.2	1029.2	1029.2
1°	1027.2	1026.2	1027.2	1028.7	1026.7
2°	1020.2	1019.2	1019.2	1021.2	1019.2
3°	1006.7	1007.7	1007.2	1009.2	1005.7
4°	989.7	989.2	991.2	992.2	989.2
5°	970.7	968.7	968.2	970.7	967.7
6°	944.7	943.2	942.2	945.2	941.2
7°	916.7	915.7	914.2	915.2	912.2
8°	882.2	881.7	880.7	881.7	878.2
9°	843.7	843.7	845.7	845.2	843.2
10°	806.2	807.2	806.2	807.2	803.2
11°	764.2	764.2	765.2	764.7	765.2
12°	727.6	723.6	722.6	721.6	718.6
13°	680.6	677.6	676.6	677.6	676.1
14°	637.6	635.6	630.6	631.6	629.6
15°	589.1	591.1	587.6	587.6	584.1
17.5°	481.6	479.6	480.6	481.1	479.6
20°	383.6	382.6	381.6	380.6	382.1
22.5°	298.1	298.6	297.6	296.6	295.6
25°	228.0	227.5	227.5	227.5	228.5
27.5°	173.0	173.0	173.0	173.5	173.5
30°	131.0	130.0	131.0	131.5	131.5
32.5°	98.0	99.0	99.5	99.5	99.5
35°	76.0	75.5	76.0	76.5	76.5
37.5°	58.0	58.0	58.5	58.5	59.0
40°	45.0	45.0	45.0	45.5	46.0
42.5°	35.5	35.5	36.0	36.0	36.5
45°	28.5	28.5	29.0	29.0	29.0
47.5°	23.0	23.0	23.5	23.5	23.5
50°	19.0	19.0	19.0	19.0	19.0
52.5°	16.0	15.5	16.0	16.0	16.0
55°	13.0	13.5	13.5	13.5	13.5
57.5°	11.0	11.5	11.5	11.5	11.5
60°	9.5	9.5	9.5	10.0	10.0
62.5°	8.0	8.5	8.5	8.5	8.5
65°	7.0	7.0	7.0	7.0	7.0
67.5°	6.0	6.0	6.0	6.0	6.5
70°	5.0	5.0	5.5	5.5	5.5
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.5	2.5	3.0	3.0	2.5
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



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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)