

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: P1310990

Luminaire Tested: LDSQA3D02R309040DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309040DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

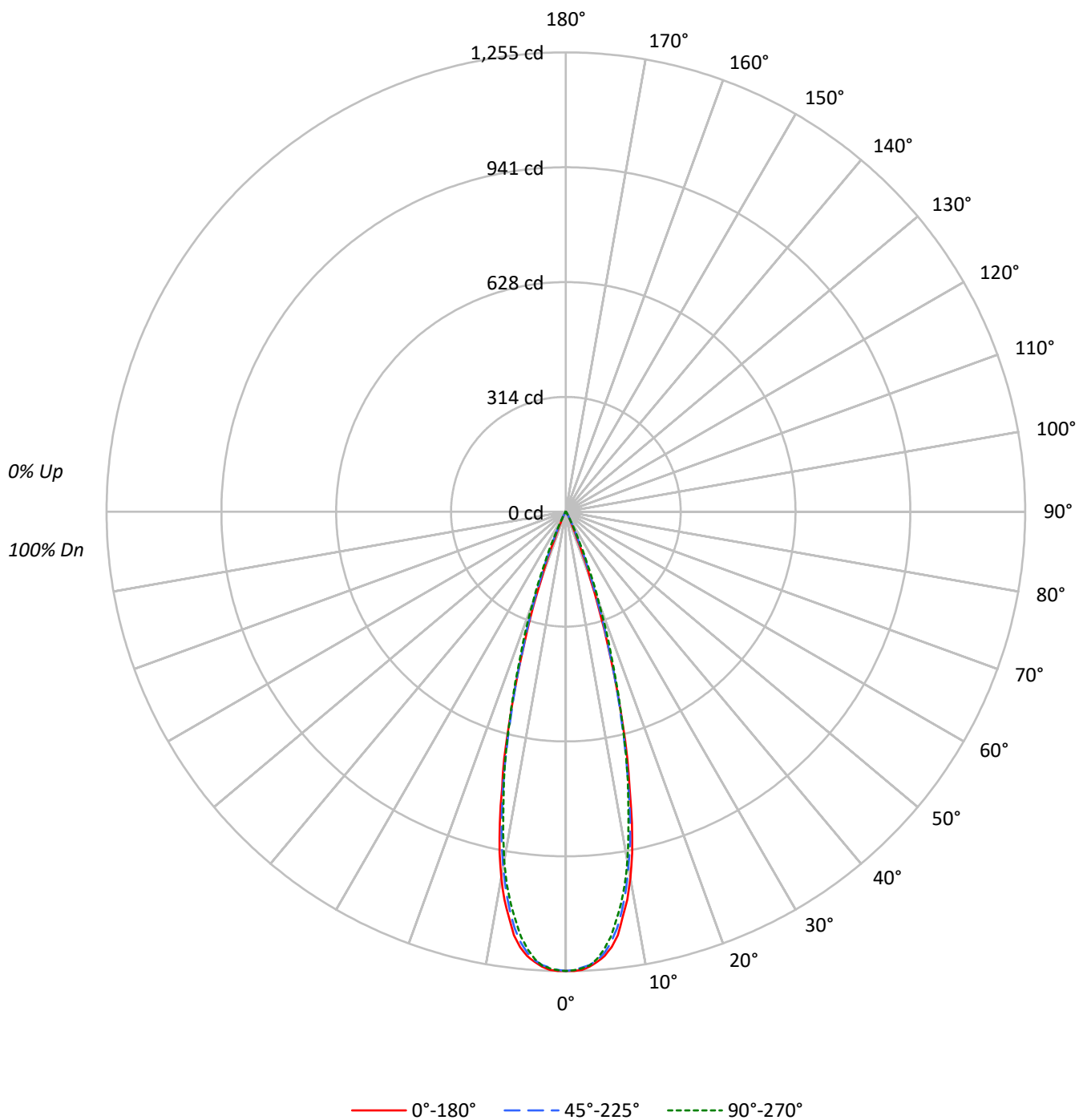
Lumens per Lamp: N/A
Luminaire Lumens: 304.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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					0
RW	70	50	30	10	70	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
1	115	113	111	110	113	111	109	108		107	106	105		103	103	102		100	99	99
2	112	108	105	103	110	107	104	102		104	101	100		101	99	98		98	97	96
3	108	104	101	98	107	103	100	97		100	98	96		98	96	94		96	94	93
4	105	100	97	94	104	99	96	93		97	94	92		95	93	91		94	92	90
5	102	97	93	90	101	96	93	90		95	91	89		93	90	88		92	89	88
6	100	94	90	87	99	93	90	87		92	89	86		91	88	86		90	87	85
7	97	91	87	84	96	91	87	84		90	86	84		88	86	83		88	85	83
8	95	89	85	82	94	88	84	82		87	84	82		86	83	81		86	83	81
9	92	86	82	80	92	86	82	80		85	82	79		84	81	79		84	81	79
10	90	84	80	78	90	84	80	78		83	80	77		82	79	77		82	79	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	216071	216071	216071
5°	210517	209064	207336
10°	177660	172204	169406
15°	107050	104073	105980
20°	36307	41933	48366
25°	6670	10451	12352
30°	2287	2545	2864
35°	652	820	883
40°	180	292	225
45°	73	73	73
50°	80	0	80
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 85 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	35.7
10°-20°	158.6	52.2
20°-30°	33.5	11.0
30°-40°	3.1	1.0
40°-50°	0.3	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	300.6	98.9
0°-40°	303.7	99.9
0°-60°	304.0	100.0
0°-90°	304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1218	1215	1209	1206	1199	110
15°	600	598	584	597	594	158
25°	35	39	55	65	65	26
35°	3	4	4	5	4	3
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.6	1254.6	1254.6	1254.6	1254.6
1°	1254.9	1253.6	1251.7	1254.4	1252.5
2°	1252.3	1249.1	1246.5	1249.1	1248.3
3°	1244.4	1241.8	1239.9	1241.3	1241.3
4°	1232.6	1229.7	1228.1	1228.4	1224.5
5°	1217.7	1215.3	1209.3	1205.6	1199.3
6°	1195.7	1189.9	1182.5	1176.5	1168.4
7°	1165.8	1156.9	1146.4	1135.9	1125.7
8°	1117.8	1113.6	1099.5	1092.4	1082.2
9°	1072.7	1062.5	1047.3	1035.8	1030.3
10°	1015.9	1000.7	984.7	975.5	968.7
11°	948.5	933.0	920.2	906.8	896.3
12°	869.3	856.2	841.6	832.7	820.3
13°	775.5	773.7	757.2	754.3	752.7
14°	695.1	687.7	671.5	675.9	677.0
15°	600.4	598.3	583.7	597.3	594.4
17.5°	376.1	376.9	386.1	407.5	414.4
20°	198.1	204.2	228.8	254.8	263.9
22.5°	80.2	93.6	118.7	136.3	148.1
25°	35.1	39.3	55.0	64.7	65.0
27.5°	19.9	20.2	26.5	27.5	28.0
30°	11.5	11.8	12.8	13.6	14.4
32.5°	6.3	6.8	7.1	8.1	8.1
35°	3.1	3.9	3.9	4.7	4.2
37.5°	1.8	2.1	2.4	2.4	2.1
40°	0.8	1.0	1.3	1.3	1.0
42.5°	0.3	0.5	0.5	0.5	0.8
45°	0.3	0.3	0.3	0.3	0.3
47.5°	0.3	0.3	0.0	0.3	0.3
50°	0.3	0.0	0.0	0.0	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)