

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: P1320077

Luminaire Tested: LDSQA3D13R209840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209840DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

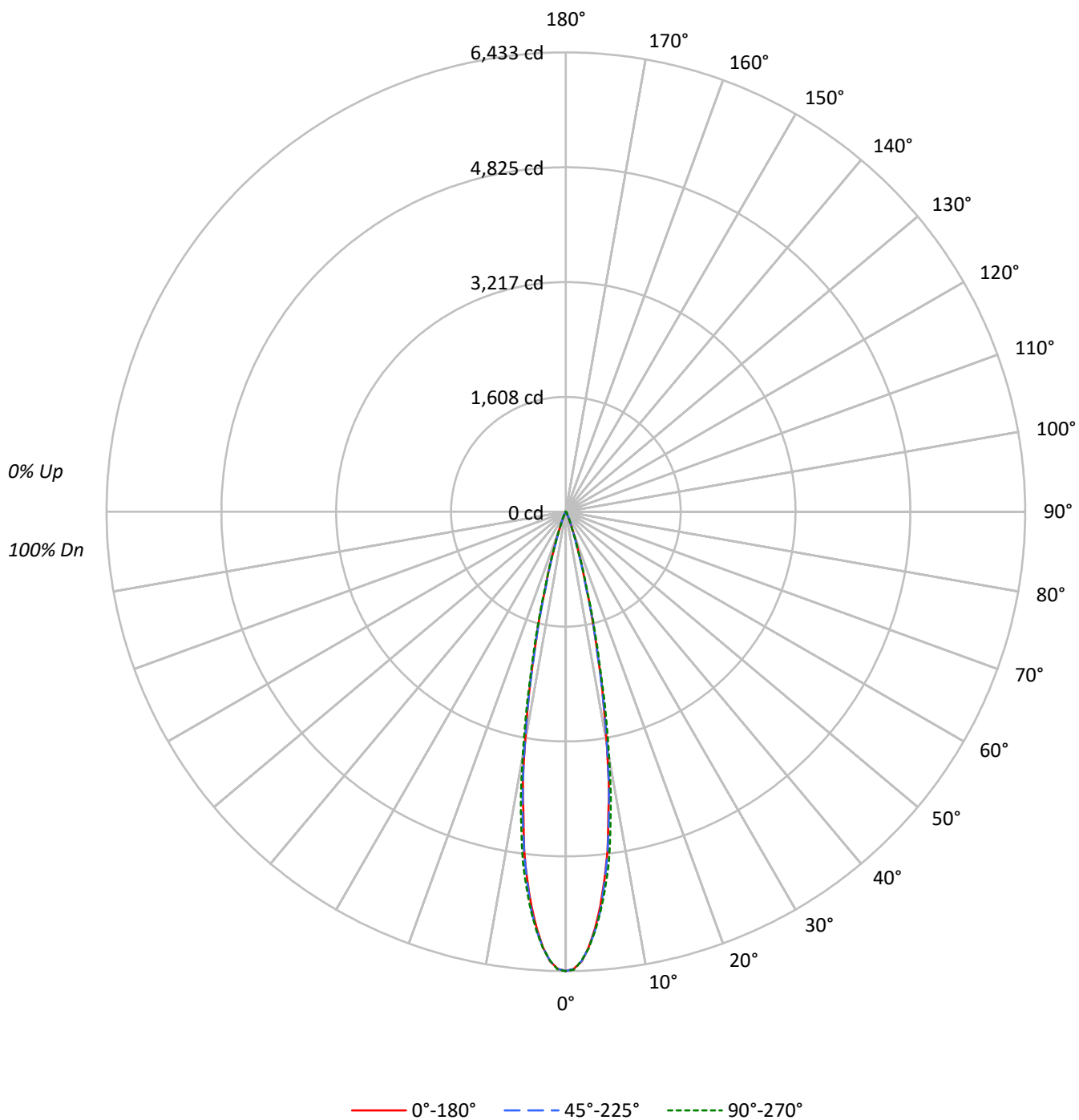
Lumens per Lamp: N/A
Luminaire Lumens: 864.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1107857	1107857	1107857
5°	957066	965987	969566
10°	576140	581527	610469
15°	199284	194612	210124
20°	52343	49228	49374
25°	11402	13758	15658
30°	4892	4892	5051
35°	2754	2418	2586
40°	1214	1394	1551
45°	365	560	560
50°	214	214	214
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: 22.5°

Vertical Angle: 45°

Luminance: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.1	53.3
10°-20°	350.3	40.5
20°-30°	43.3	5.0
30°-40°	8.2	0.9
40°-50°	2.0	0.2
50°-60°	0.1	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°	853.7	98.8
0°-40°	861.9	99.8
0°-60°	864.0	100.0
0°-90°	864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6433	6433	6433	6433	6433	
5°	5536	5532	5588	5584	5608	457
15°	1118	1078	1092	1157	1178	350
25°	60	68	72	75	82	41
35°	13	13	12	12	12	8
45°	2	2	2	2	2	2
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6432.7	6432.7	6432.7	6432.7	6432.7
1°	6402.7	6395.0	6401.2	6388.1	6415.0
2°	6300.3	6292.6	6292.6	6284.9	6288.8
3°	6109.4	6121.8	6114.1	6097.9	6118.7
4°	5849.3	5863.1	5875.4	5876.2	5879.3
5°	5536.0	5532.1	5587.6	5583.7	5608.3
6°	5178.8	5174.2	5198.1	5238.1	5287.4
7°	4786.3	4730.1	4794.0	4874.8	4941.0
8°	4278.2	4292.9	4336.7	4432.2	4485.3
9°	3847.2	3761.7	3854.9	3968.8	4026.5
10°	3294.5	3225.2	3325.3	3445.4	3490.8
12.5°	2073.7	2013.6	2046.0	2172.2	2192.2
15°	1117.7	1077.6	1091.5	1156.9	1178.5
17.5°	570.4	534.2	526.5	568.1	572.7
20°	285.6	277.1	268.6	272.5	269.4
22.5°	132.4	143.9	142.4	134.7	143.9
25°	60.0	68.5	72.4	75.4	82.4
27.5°	36.9	35.4	40.8	43.9	44.6
30°	24.6	23.9	24.6	25.4	25.4
32.5°	17.7	16.9	16.2	16.2	16.9
35°	13.1	13.1	11.5	12.3	12.3
37.5°	9.2	9.2	8.5	9.2	9.2
40°	5.4	6.2	6.2	6.2	6.9
42.5°	3.1	3.8	3.8	3.8	3.8
45°	1.5	2.3	2.3	2.3	2.3
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)