

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: P1312531

Luminaire Tested: LDSQA3D13R209050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

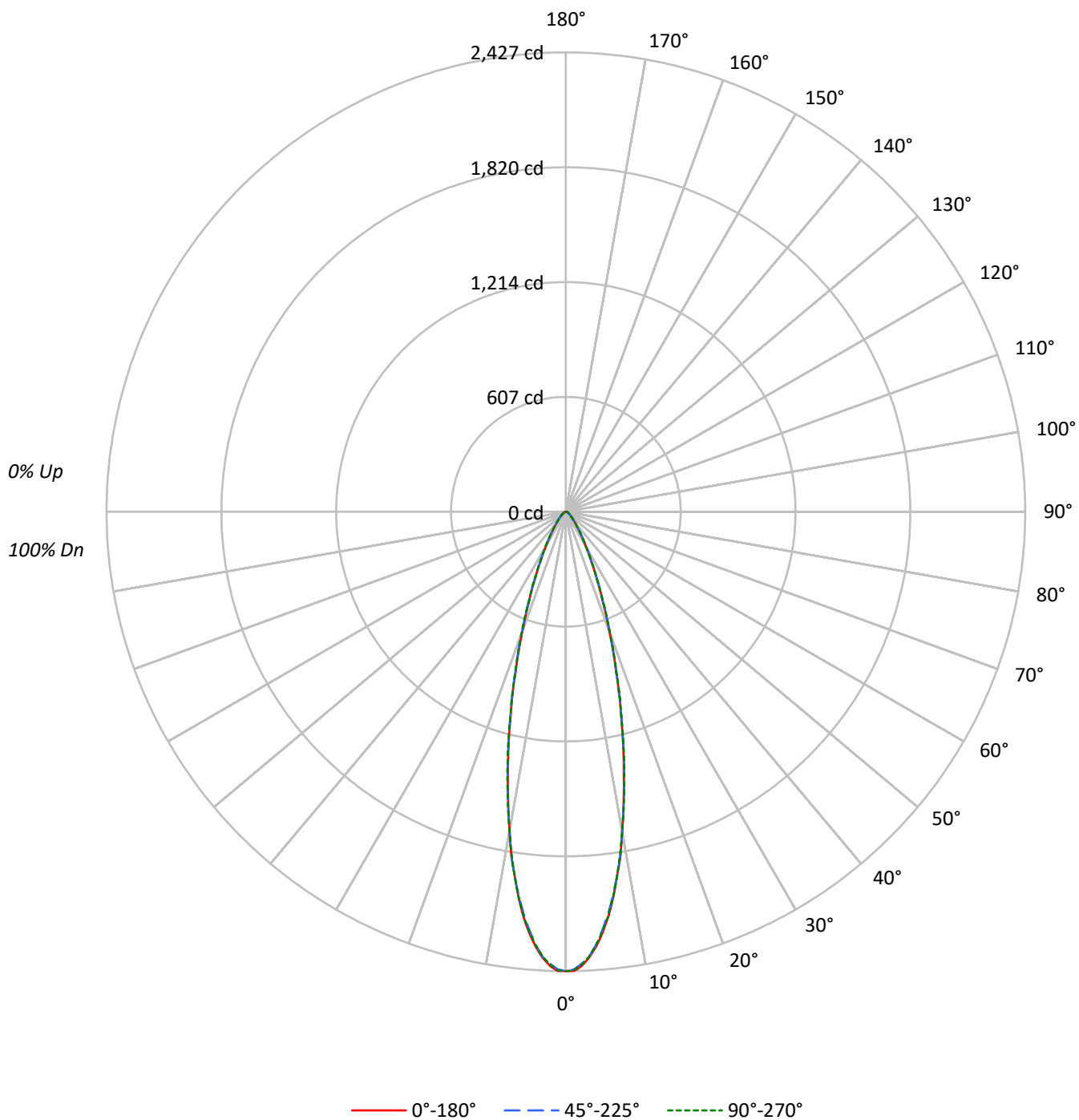
Lumens per Lamp: N/A
Luminaire Lumens: 853.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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				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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	418036	418036	418036
5°	385662	383449	384728
10°	299271	299638	299638
15°	202279	203224	203224
20°	122850	124407	124994
25°	72058	73065	72875
30°	42040	42875	43094
35°	25692	26344	26344
40°	16727	16951	17199
45°	11642	11910	12154
50°	8547	8815	8815
55°	6696	7026	7026
60°	5856	5856	6234
65°	5175	5175	5624
70°	4834	4834	4834
75°	4259	4259	4259
80°	3174	3174	4166
85°	2174	2174	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	22.9
10°-20°	313.4	36.7
20°-30°	181.5	21.3
30°-40°	81.4	9.5
40°-50°	38.6	4.5
50°-60°	21.1	2.5
60°-70°	12.8	1.5
70°-80°	6.9	0.8
80°-90°	1.5	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°	690.7	81.0
0°-40°	772.1	90.5
0°-60°	831.8	97.5
0°-90°	853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2427	2427	2427	2427	2427	
5°	2231	2223	2218	2222	2225	196
15°	1134	1134	1140	1134	1140	313
25°	379	379	384	381	384	180
35°	122	123	125	126	125	80
45°	48	48	49	49	50	38
55°	22	22	23	23	23	21
65°	13	13	13	13	14	13
75°	6	6	6	6	6	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2427.3	2427.3	2427.3	2427.3	2427.3
1°	2426.2	2419.8	2417.7	2415.6	2422.0
2°	2401.8	2394.3	2390.1	2392.2	2393.3
3°	2358.2	2354.0	2354.0	2350.8	2352.9
4°	2301.9	2293.4	2293.4	2294.5	2294.5
5°	2230.8	2223.3	2218.0	2222.3	2225.4
6°	2151.1	2141.5	2137.3	2138.3	2145.8
7°	2053.4	2040.6	2042.7	2048.0	2048.0
8°	1942.9	1941.8	1943.9	1941.8	1943.9
9°	1840.9	1826.0	1838.8	1828.2	1833.5
10°	1711.3	1710.2	1713.4	1716.6	1713.4
12.5°	1416.0	1421.3	1423.4	1419.2	1428.7
15°	1134.5	1134.5	1139.8	1134.5	1139.8
17.5°	882.7	881.7	885.9	881.7	888.1
20°	670.3	677.7	678.8	678.8	682.0
22.5°	505.6	505.6	509.9	510.9	508.8
25°	379.2	379.2	384.5	381.4	383.5
27.5°	280.4	282.6	286.8	288.9	288.9
30°	211.4	212.5	215.6	216.7	216.7
32.5°	159.3	161.5	163.6	164.7	165.7
35°	122.2	123.2	125.3	126.4	125.3
37.5°	93.5	94.5	96.7	97.7	97.7
40°	74.4	74.4	75.4	76.5	76.5
42.5°	58.4	59.5	59.5	60.5	60.5
45°	47.8	47.8	48.9	48.9	49.9
47.5°	38.2	38.2	39.3	40.4	40.4
50°	31.9	31.9	32.9	32.9	32.9
52.5°	26.6	26.6	27.6	27.6	27.6
55°	22.3	22.3	23.4	23.4	23.4
57.5°	19.1	19.1	20.2	20.2	20.2
60°	17.0	17.0	17.0	17.0	18.1
62.5°	14.9	14.9	14.9	14.9	14.9
65°	12.7	12.7	12.7	12.7	13.8
67.5°	10.6	10.6	10.6	10.6	11.7
70°	9.6	9.6	9.6	9.6	9.6
72.5°	7.4	7.4	7.4	8.5	8.5
75°	6.4	6.4	6.4	6.4	6.4
77.5°	5.3	5.3	5.3	5.3	5.3
80°	3.2	3.2	3.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	2.1
87.5°	0.0	0.0	0.0	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)