

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: P1327656

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHR1MMS_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327656
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: LDSQA3D13R20W2N902765DE010 3LSQPHR1MMS_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

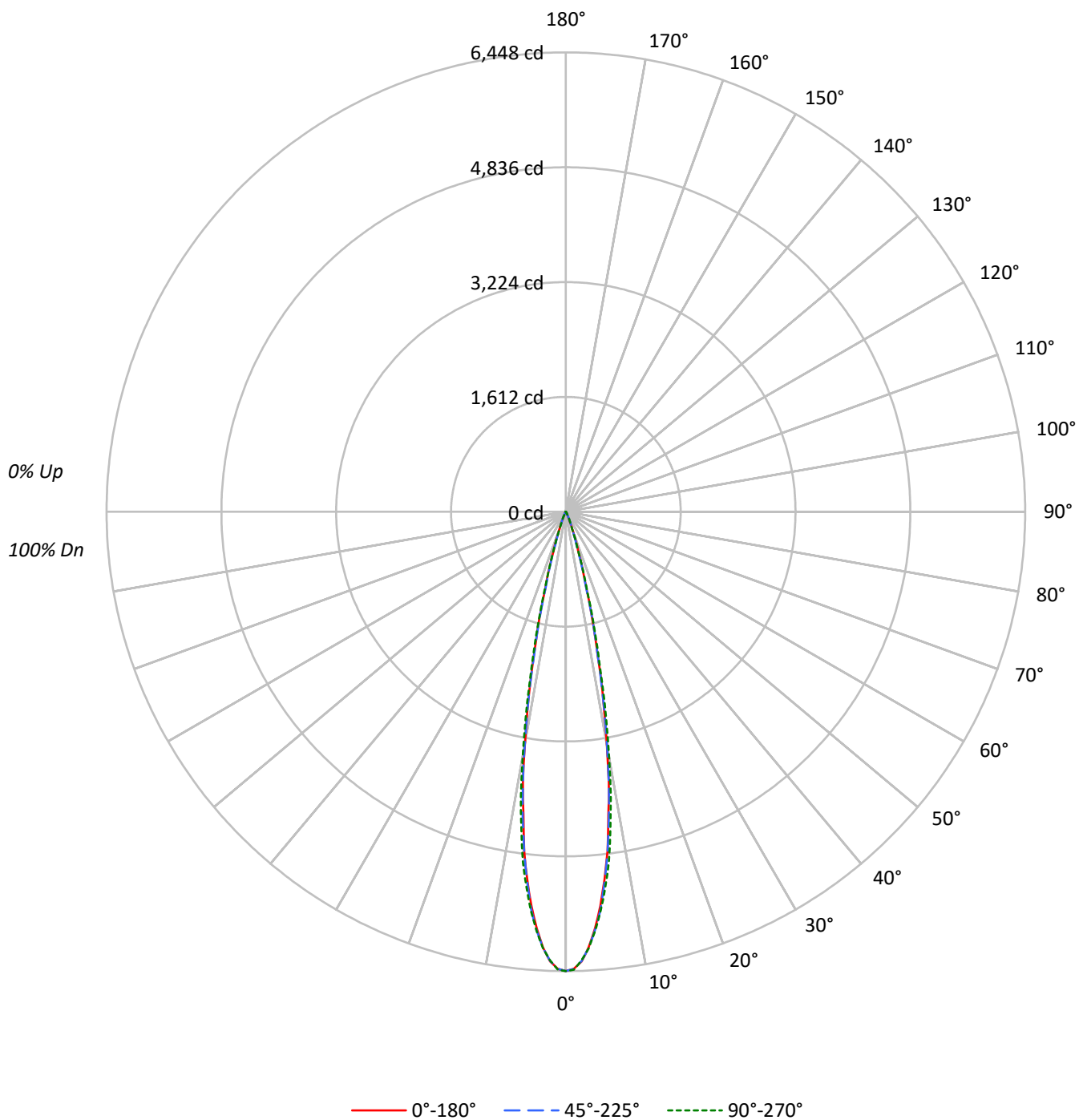
Lumens per Lamp: N/A
Luminaire Lumens: 866.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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°	1110423	1110423	1110423
5°	959279	968217	971813
10°	577469	582873	611886
15°	199747	195058	210606
20°	52453	49356	49484
25°	11440	13777	15696
30°	4912	4912	5071
35°	2754	2439	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°	461.2	53.3
10°-20°	351.1	40.5
20°-30°	43.4	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°	855.7	98.8
0°-40°	863.9	99.8
0°-60°	866.0	100.0
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6448	6448	6448	6448	6448	
5°	5549	5545	5600	5597	5621	458
15°	1120	1080	1094	1160	1181	351
25°	60	69	72	76	83	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6447.6	6447.6	6447.6	6447.6	6447.6
1°	6417.5	6409.8	6416.0	6402.9	6429.9
2°	6314.9	6307.2	6307.2	6299.5	6303.3
3°	6123.6	6135.9	6128.2	6112.0	6132.8
4°	5862.8	5876.7	5889.0	5889.8	5892.9
5°	5548.8	5544.9	5600.5	5596.6	5621.3
6°	5190.8	5186.2	5210.1	5250.2	5299.6
7°	4797.3	4741.0	4805.0	4886.1	4952.4
8°	4288.1	4302.8	4346.8	4442.4	4495.7
9°	3856.1	3770.4	3863.8	3978.0	4035.8
10°	3302.1	3232.7	3333.0	3453.3	3498.9
12.5°	2078.5	2018.3	2050.7	2177.2	2197.3
15°	1120.3	1080.1	1094.0	1159.6	1181.2
17.5°	571.7	535.4	527.7	569.4	574.0
20°	286.2	277.7	269.3	273.1	270.0
22.5°	132.7	144.3	142.7	135.0	144.3
25°	60.2	68.7	72.5	75.6	82.6
27.5°	37.0	35.5	40.9	44.0	44.7
30°	24.7	23.9	24.7	25.5	25.5
32.5°	17.7	17.0	16.2	16.2	17.0
35°	13.1	13.1	11.6	12.3	12.3
37.5°	9.3	9.3	8.5	9.3	9.3
40°	5.4	6.2	6.2	6.2	6.9
42.5°	3.1	3.9	3.9	3.9	3.9
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)