

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: P1309521

Luminaire Tested: LDSQA3D20R209030D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309521
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: LDSQA3D20R209030D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

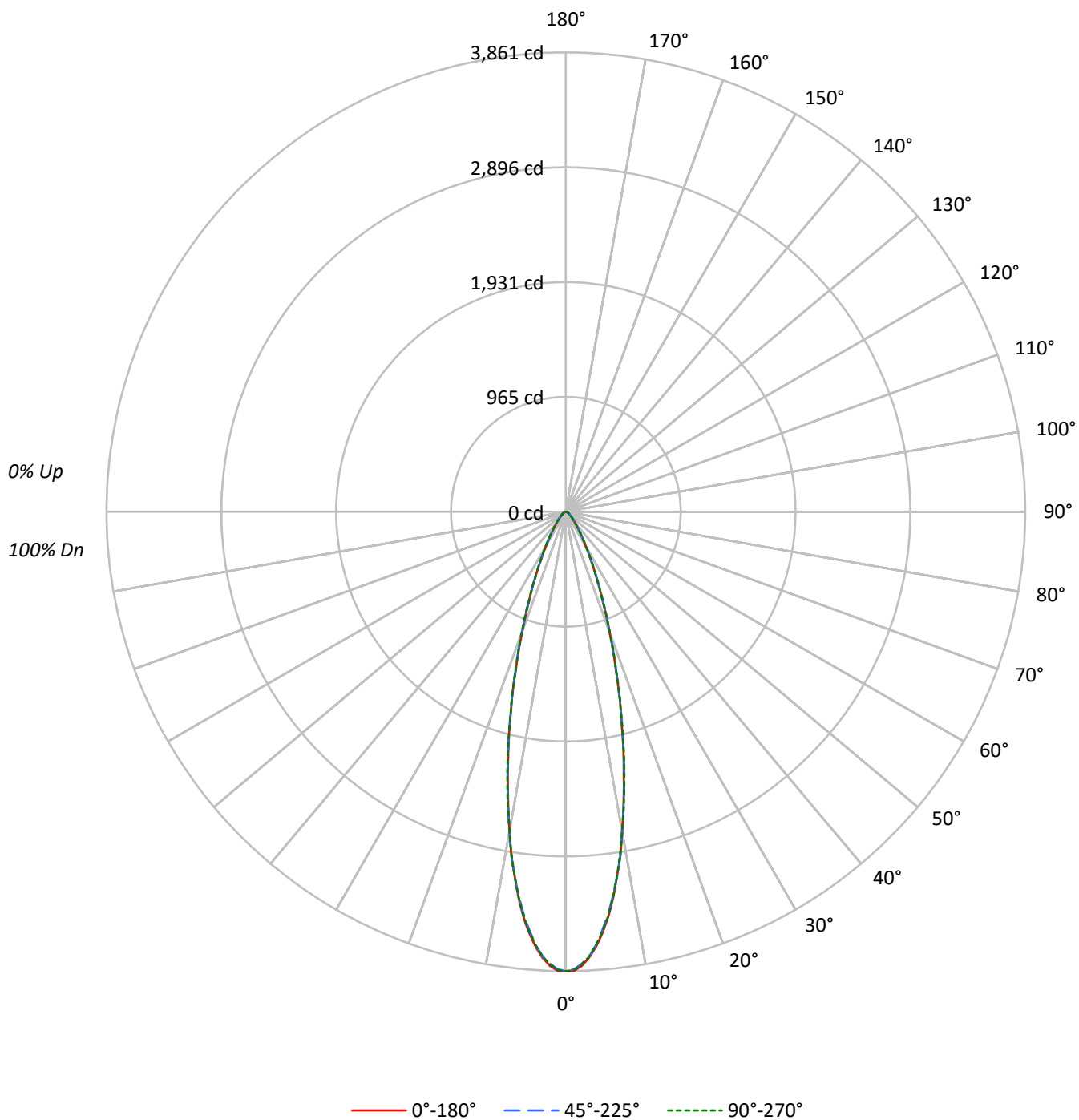
Lumens per Lamp: N/A
Luminaire Lumens: 1357.0 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	665021	665021	665021
5°	613518	610009	612066
10°	476092	476686	476686
15°	321792	323308	323308
20°	195427	197919	198836
25°	114643	116239	115935
30°	66878	68231	68549
35°	40851	41923	41923
40°	26596	26978	27361
45°	18511	18925	19339
50°	13584	14040	14040
55°	10659	11170	11170
60°	9300	9300	9886
65°	8273	8273	8965
70°	7654	7654	7654
75°	6721	6721	6721
80°	5058	5058	6744
85°	3359	3359	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19339 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.4	22.9
10°-20°	498.6	36.7
20°-30°	288.8	21.3
30°-40°	129.5	9.5
40°-50°	61.4	4.5
50°-60°	33.6	2.5
60°-70°	20.4	1.5
70°-80°	10.9	0.8
80°-90°	2.4	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°	1098.8	81.0
0°-40°	1228.3	90.5
0°-60°	1323.3	97.5
0°-90°	1357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3861	3861	3861	3861	3861	
5°	3549	3537	3528	3535	3540	312
15°	1805	1805	1813	1805	1813	497
25°	603	603	612	607	610	286
35°	194	196	199	201	199	127
45°	76	76	78	78	79	60
55°	36	36	37	37	37	33
65°	20	20	20	20	22	20
75°	10	10	10	10	10	11
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3861.4	3861.4	3861.4	3861.4	3861.4
1°	3859.7	3849.6	3846.2	3842.9	3853.0
2°	3820.9	3809.1	3802.3	3805.7	3807.4
3°	3751.6	3744.8	3744.8	3739.8	3743.1
4°	3662.0	3648.5	3648.5	3650.2	3650.2
5°	3548.8	3537.0	3528.5	3535.3	3540.4
6°	3422.1	3406.9	3400.1	3401.8	3413.6
7°	3266.6	3246.3	3249.7	3258.1	3258.1
8°	3090.8	3089.2	3092.5	3089.2	3092.5
9°	2928.6	2905.0	2925.2	2908.3	2916.8
10°	2722.4	2720.8	2725.8	2730.9	2725.8
12.5°	2252.6	2261.1	2264.5	2257.7	2272.9
15°	1804.8	1804.8	1813.3	1804.8	1813.3
17.5°	1404.3	1402.6	1409.4	1402.6	1412.8
20°	1066.3	1078.2	1079.9	1079.9	1084.9
22.5°	804.4	804.4	811.2	812.8	809.5
25°	603.3	603.3	611.7	606.7	610.1
27.5°	446.1	449.5	456.3	459.7	459.7
30°	336.3	338.0	343.1	344.7	344.7
32.5°	253.5	256.9	260.2	261.9	263.6
35°	194.3	196.0	199.4	201.1	199.4
37.5°	148.7	150.4	153.8	155.5	155.5
40°	118.3	118.3	120.0	121.7	121.7
42.5°	92.9	94.6	94.6	96.3	96.3
45°	76.0	76.0	77.7	77.7	79.4
47.5°	60.8	60.8	62.5	64.2	64.2
50°	50.7	50.7	52.4	52.4	52.4
52.5°	42.2	42.2	43.9	43.9	43.9
55°	35.5	35.5	37.2	37.2	37.2
57.5°	30.4	30.4	32.1	32.1	32.1
60°	27.0	27.0	27.0	27.0	28.7
62.5°	23.7	23.7	23.7	23.7	23.7
65°	20.3	20.3	20.3	20.3	22.0
67.5°	16.9	16.9	16.9	16.9	18.6
70°	15.2	15.2	15.2	15.2	15.2
72.5°	11.8	11.8	11.8	13.5	13.5
75°	10.1	10.1	10.1	10.1	10.1
77.5°	8.4	8.4	8.4	8.4	8.4
80°	5.1	5.1	5.1	6.8	6.8
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	3.4
87.5°	0.0	0.0	0.0	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)