

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: P1309049

Luminaire Tested: LDSQA3D09R209030DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309049
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: LDSQA3D09R209030DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

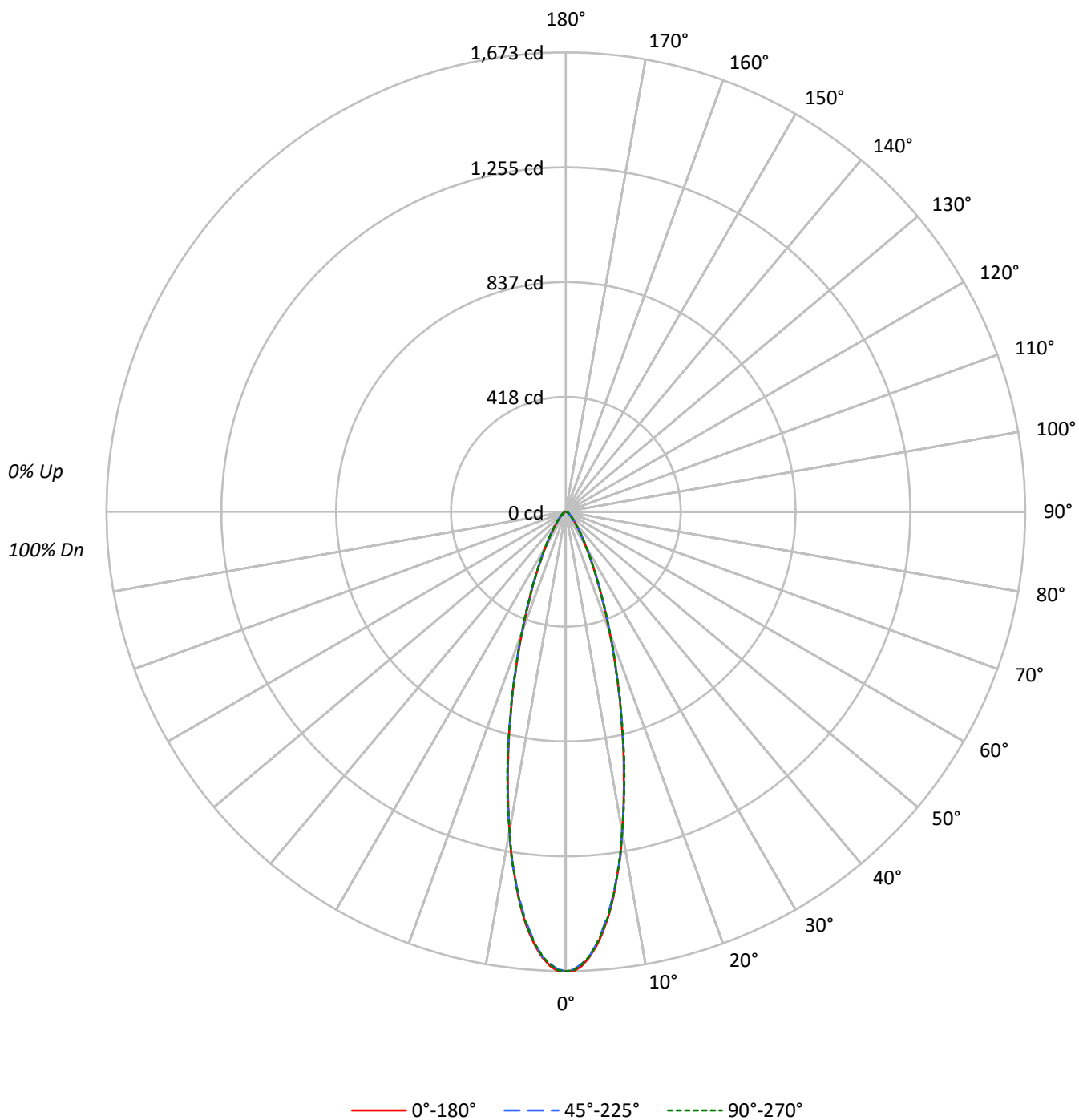
Lumens per Lamp: N/A
Luminaire Lumens: 588.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	288163	288163	288163
5°	265838	264317	265216
10°	206305	206550	206550
15°	139429	140089	140089
20°	84692	85755	86158
25°	49673	50376	50224
30°	28975	29551	29711
35°	17703	18165	18165
40°	11533	11691	11848
45°	8037	8208	8378
50°	5894	6082	6082
55°	4624	4834	4834
60°	4030	4030	4271
65°	3586	3586	3871
70°	3323	3323	3323
75°	2928	2928	2928
80°	2182	2182	2876
85°	1383	1383	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	22.9
10°-20°	216.1	36.7
20°-30°	125.1	21.3
30°-40°	56.1	9.5
40°-50°	26.6	4.5
50°-60°	14.6	2.5
60°-70°	8.8	1.5
70°-80°	4.8	0.8
80°-90°	1.0	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°	476.1	81.0
0°-40°	532.2	90.5
0°-60°	573.4	97.5
0°-90°	588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1673	1673	1673	1673	1673	
5°	1538	1533	1529	1532	1534	135
15°	782	782	786	782	786	215
25°	261	261	265	263	264	124
35°	84	85	86	87	86	55
45°	33	33	34	34	34	26
55°	15	15	16	16	16	14
65°	9	9	9	9	10	9
75°	4	4	4	4	4	5
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°	1673.2	1673.2	1673.2	1673.2	1673.2
1°	1672.5	1668.1	1666.6	1665.1	1669.5
2°	1655.6	1650.5	1647.6	1649.0	1649.8
3°	1625.6	1622.7	1622.7	1620.5	1621.9
4°	1586.8	1580.9	1580.9	1581.7	1581.7
5°	1537.7	1532.6	1528.9	1531.9	1534.1
6°	1482.8	1476.2	1473.3	1474.0	1479.1
7°	1415.4	1406.7	1408.1	1411.8	1411.8
8°	1339.3	1338.6	1340.0	1338.6	1340.0
9°	1269.0	1258.7	1267.5	1260.2	1263.9
10°	1179.7	1178.9	1181.1	1183.3	1181.1
12.5°	976.1	979.8	981.2	978.3	984.9
15°	782.0	782.0	785.7	782.0	785.7
17.5°	608.5	607.8	610.7	607.8	612.2
20°	462.1	467.2	467.9	467.9	470.1
22.5°	348.6	348.6	351.5	352.2	350.7
25°	261.4	261.4	265.1	262.9	264.3
27.5°	193.3	194.8	197.7	199.2	199.2
30°	145.7	146.5	148.6	149.4	149.4
32.5°	109.8	111.3	112.8	113.5	114.2
35°	84.2	84.9	86.4	87.1	86.4
37.5°	64.4	65.2	66.6	67.4	67.4
40°	51.3	51.3	52.0	52.7	52.7
42.5°	40.3	41.0	41.0	41.7	41.7
45°	33.0	33.0	33.7	33.7	34.4
47.5°	26.4	26.4	27.1	27.8	27.8
50°	22.0	22.0	22.7	22.7	22.7
52.5°	18.3	18.3	19.0	19.0	19.0
55°	15.4	15.4	16.1	16.1	16.1
57.5°	13.2	13.2	13.9	13.9	13.9
60°	11.7	11.7	11.7	11.7	12.4
62.5°	10.3	10.3	10.3	10.3	10.3
65°	8.8	8.8	8.8	8.8	9.5
67.5°	7.3	7.3	7.3	7.3	8.1
70°	6.6	6.6	6.6	6.6	6.6
72.5°	5.1	5.1	5.1	5.9	5.9
75°	4.4	4.4	4.4	4.4	4.4
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.2	2.2	2.2	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)