

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: P1307770

Luminaire Tested: LDSQA3D05R209027DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307770
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: LDSQA3D05R209027DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

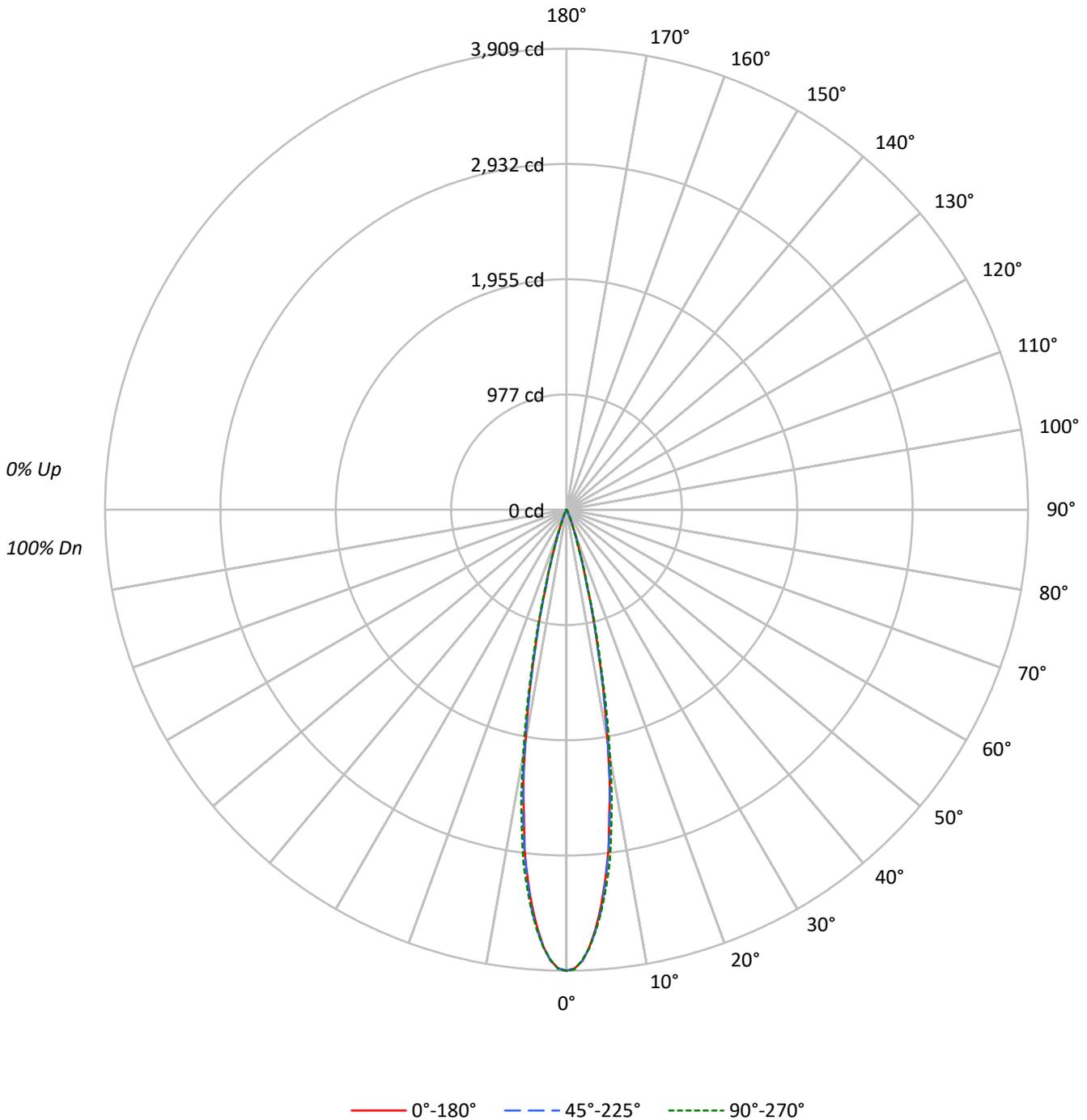
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 525.0 lumens
Efficiency: N/A
Efficacy: 72.9 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): 7.2
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	673184	673184	673184
5°	581553	586964	589142
10°	350091	353361	370937
15°	121082	118247	127679
20°	31798	29911	30002
25°	6936	8361	9501
30°	2983	2983	3063
35°	1682	1472	1577
40°	742	832	944
45°	219	341	341
50°	134	134	134
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: 341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	53.3
10°-20°	212.9	40.5
20°-30°	26.3	5.0
30°-40°	5.0	0.9
40°-50°	1.2	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°	518.7	98.8
0°-40°	523.7	99.8
0°-60°	525.0	100.0
0°-90°	525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3909	3909	3909	3909	3909	
5°	3364	3362	3395	3393	3408	277
15°	679	655	663	703	716	213
25°	36	42	44	46	50	25
35°	8	8	7	8	8	5
45°	1	1	1	1	1	1
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°	3908.8	3908.8	3908.8	3908.8	3908.8
1°	3890.5	3885.9	3889.6	3881.7	3898.0
2°	3828.3	3823.7	3823.7	3819.0	3821.3
3°	3712.3	3719.8	3715.1	3705.3	3717.9
4°	3554.2	3562.7	3570.1	3570.6	3572.5
5°	3363.9	3361.5	3395.2	3392.9	3407.8
6°	3146.9	3144.0	3158.5	3182.9	3212.8
7°	2908.3	2874.2	2913.0	2962.1	3002.3
8°	2599.6	2608.5	2635.2	2693.2	2725.4
9°	2337.7	2285.8	2342.4	2411.6	2446.7
10°	2001.9	1959.8	2020.6	2093.5	2121.1
12.5°	1260.1	1223.6	1243.2	1319.9	1332.1
15°	679.1	654.8	663.2	703.0	716.1
17.5°	346.6	324.6	319.9	345.2	348.0
20°	173.5	168.4	163.2	165.6	163.7
22.5°	80.4	87.5	86.5	81.9	87.5
25°	36.5	41.6	44.0	45.8	50.0
27.5°	22.5	21.5	24.8	26.7	27.1
30°	15.0	14.5	15.0	15.4	15.4
32.5°	10.8	10.3	9.8	9.8	10.3
35°	8.0	8.0	7.0	7.5	7.5
37.5°	5.6	5.6	5.1	5.6	5.6
40°	3.3	3.7	3.7	3.7	4.2
42.5°	1.9	2.3	2.3	2.3	2.3
45°	0.9	1.4	1.4	1.4	1.4
47.5°	0.5	0.5	0.5	0.9	0.9
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)