

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: P1312197

Luminaire Tested: LDSQA3D05R159050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

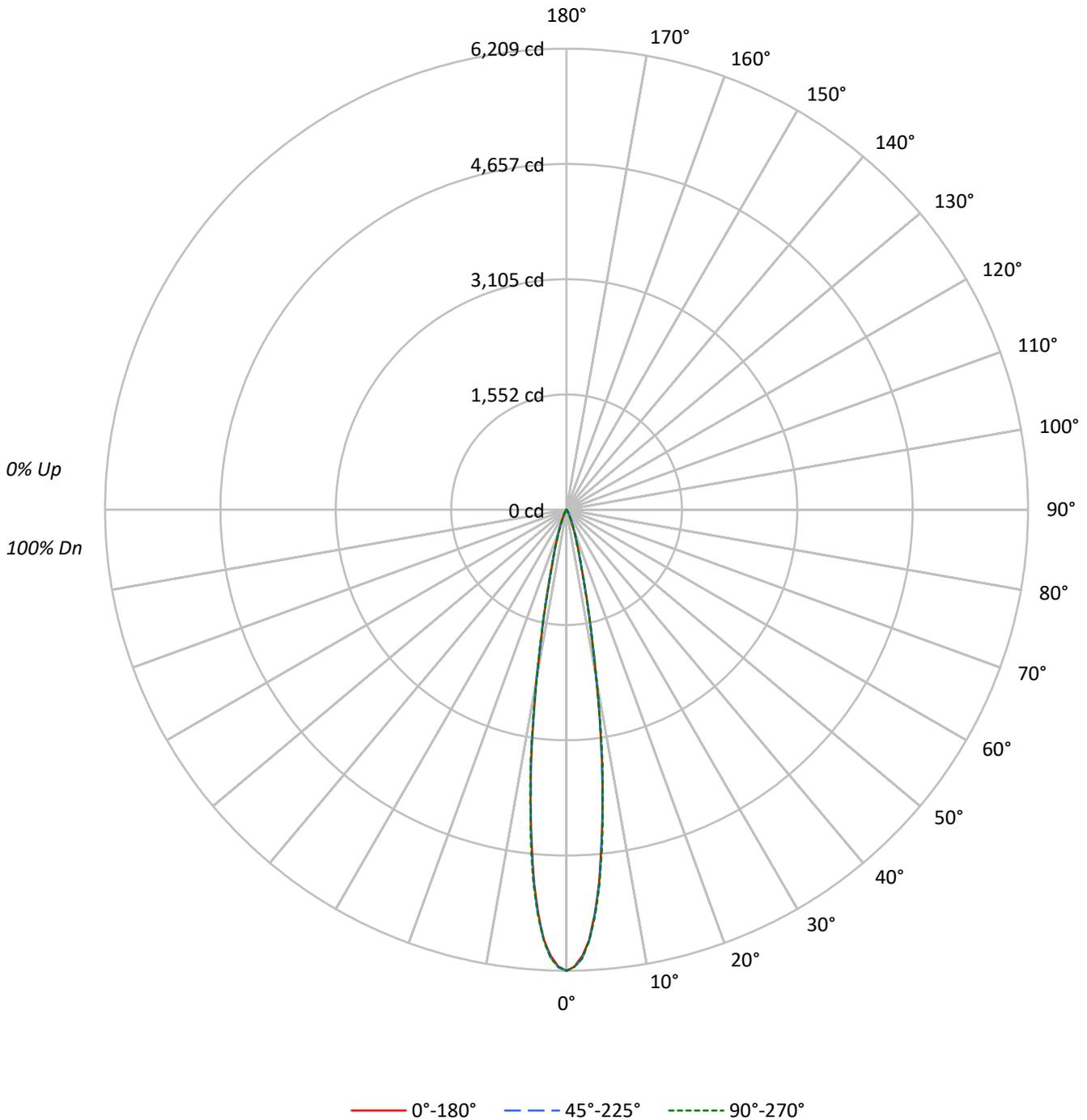
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.9 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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 (A_{in}): 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

TEST NUMBER: P1312197
CATALOG NUMBER: LDSQA3D05R159050DE010 3LSQCDR1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	93	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1069279	1069279	1069279
5°	869485	872511	875536
10°	404933	405318	403115
15°	125290	129783	127340
20°	49943	52765	49356
25°	20903	24646	19858
30°	8492	11315	7835
35°	2754	5172	2523
40°	989	2091	989
45°	390	658	390
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.6	55.8
10°-20°	232.4	33.3
20°-30°	59.1	8.5
30°-40°	12.9	1.8
40°-50°	2.1	0.3
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	680.1	97.6
0°-40°	693.0	99.4
0°-60°	696.0	99.9
0°-90°	696.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6209	6209	6209	6209	6209	
5°	5029	5036	5047	5024	5064	388
15°	703	722	728	718	714	231
25°	110	118	130	115	104	56
35°	13	17	25	16	12	10
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6208.7	6208.7	6208.7	6208.7	6208.7
1°	6154.5	6164.9	6166.6	6164.9	6156.2
2°	6016.1	6046.7	6040.1	6027.0	6045.6
3°	5802.1	5817.4	5815.2	5816.3	5811.9
4°	5454.0	5480.8	5465.5	5477.0	5478.1
5°	5029.4	5036.5	5046.9	5023.9	5064.4
6°	4506.7	4552.1	4512.2	4551.6	4567.5
7°	3975.3	4001.6	3950.7	3978.1	3994.5
8°	3431.9	3385.9	3413.8	3414.4	3468.6
9°	2845.2	2854.5	2878.1	2851.2	2874.8
10°	2315.5	2336.8	2317.7	2308.4	2305.1
11°	1828.4	1852.5	1850.8	1853.6	1835.5
12°	1471.0	1458.5	1466.7	1439.8	1451.9
13°	1144.9	1145.4	1138.9	1127.9	1118.1
14°	897.0	891.5	906.8	893.1	880.5
15°	702.7	722.4	727.9	717.5	714.2
17.5°	433.4	434.0	441.6	431.8	430.7
20°	272.5	279.1	287.9	277.5	269.3
22.5°	172.4	178.4	192.1	179.0	167.5
25°	110.0	117.7	129.7	114.9	104.5
27.5°	69.0	76.1	87.6	73.9	66.2
30°	42.7	47.6	56.9	46.5	39.4
32.5°	24.6	29.6	37.2	27.9	23.5
35°	13.1	17.0	24.6	16.4	12.0
37.5°	7.7	9.9	15.9	8.8	7.1
40°	4.4	6.0	9.3	5.5	4.4
42.5°	2.7	3.8	4.4	3.3	2.2
45°	1.6	2.2	2.7	2.2	1.6
47.5°	1.1	1.6	2.2	1.1	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
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



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CATALOG NUMBER: LDSQA3D05R159050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)