

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: P1307844

Luminaire Tested: LDSQA3D05R459027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

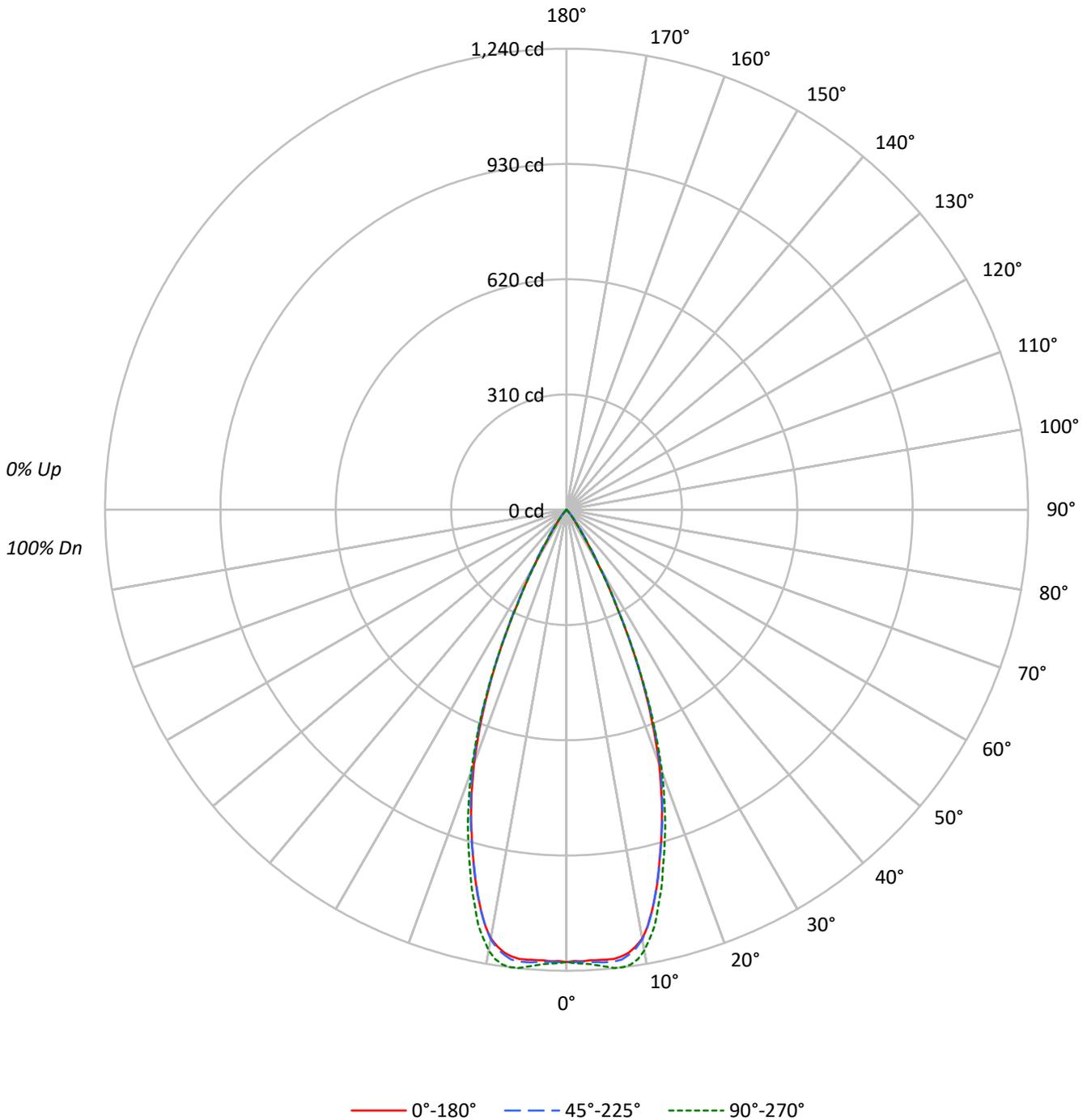
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	209526	209526	209526
5°	209998	211208	213317
10°	204749	205151	210555
15°	172735	172824	178476
20°	133333	135221	137457
25°	82719	82814	83346
30°	34125	36253	33569
35°	10617	12972	10218
40°	3260	4519	3058
45°	219	1705	219
50°	0	241	0
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: 45°
 Vertical Angle: 45°
 Luminance: 1705 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	18.4
10°-20°	269.2	42.8
20°-30°	197.5	31.4
30°-40°	42.4	6.7
40°-50°	4.0	0.6
50°-60°	0.0	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°	582.5	92.6
0°-40°	624.9	99.4
0°-60°	629.0	100.0
0°-90°	629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1215	1218	1222	1230	1234	115
15°	969	967	969	985	1001	267
25°	435	434	436	436	439	195
35°	50	54	62	53	49	40
45°	1	3	7	3	1	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°	1216.6	1216.6	1216.6	1216.6	1216.6
1°	1214.3	1217.1	1217.1	1218.9	1219.9
2°	1215.2	1217.1	1216.6	1219.9	1221.3
3°	1213.8	1217.1	1218.0	1221.7	1224.1
4°	1214.3	1217.1	1219.9	1225.5	1228.8
5°	1214.7	1218.0	1221.7	1230.2	1233.9
6°	1215.2	1217.5	1221.7	1232.5	1239.5
7°	1210.5	1213.8	1218.5	1232.0	1239.5
8°	1203.0	1204.9	1208.6	1226.4	1235.3
9°	1189.0	1188.5	1194.2	1213.8	1224.1
10°	1170.8	1165.2	1173.1	1192.8	1204.0
11°	1141.3	1135.2	1142.3	1163.3	1174.0
12°	1103.0	1103.0	1104.4	1123.1	1141.8
13°	1062.3	1057.6	1060.4	1081.5	1094.6
14°	1017.4	1012.7	1015.5	1031.4	1052.0
15°	968.8	966.9	969.3	984.7	1001.0
17.5°	853.3	849.1	857.5	872.9	881.4
20°	727.5	734.5	737.8	747.6	750.0
22.5°	583.0	590.5	595.2	596.6	598.0
25°	435.3	433.9	435.8	435.8	438.6
27.5°	286.1	286.1	291.3	288.0	284.7
30°	171.6	178.6	182.3	176.3	168.8
32.5°	93.5	100.5	106.6	97.7	91.2
35°	50.5	54.2	61.7	52.8	48.6
37.5°	27.6	30.9	35.5	29.9	27.6
40°	14.5	17.8	20.1	17.8	13.6
42.5°	4.7	8.9	11.7	8.9	4.2
45°	0.9	2.8	7.0	2.8	0.9
47.5°	0.0	0.5	3.3	0.5	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)