

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: P1307801

Luminaire Tested: LDSQA3D05R309027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

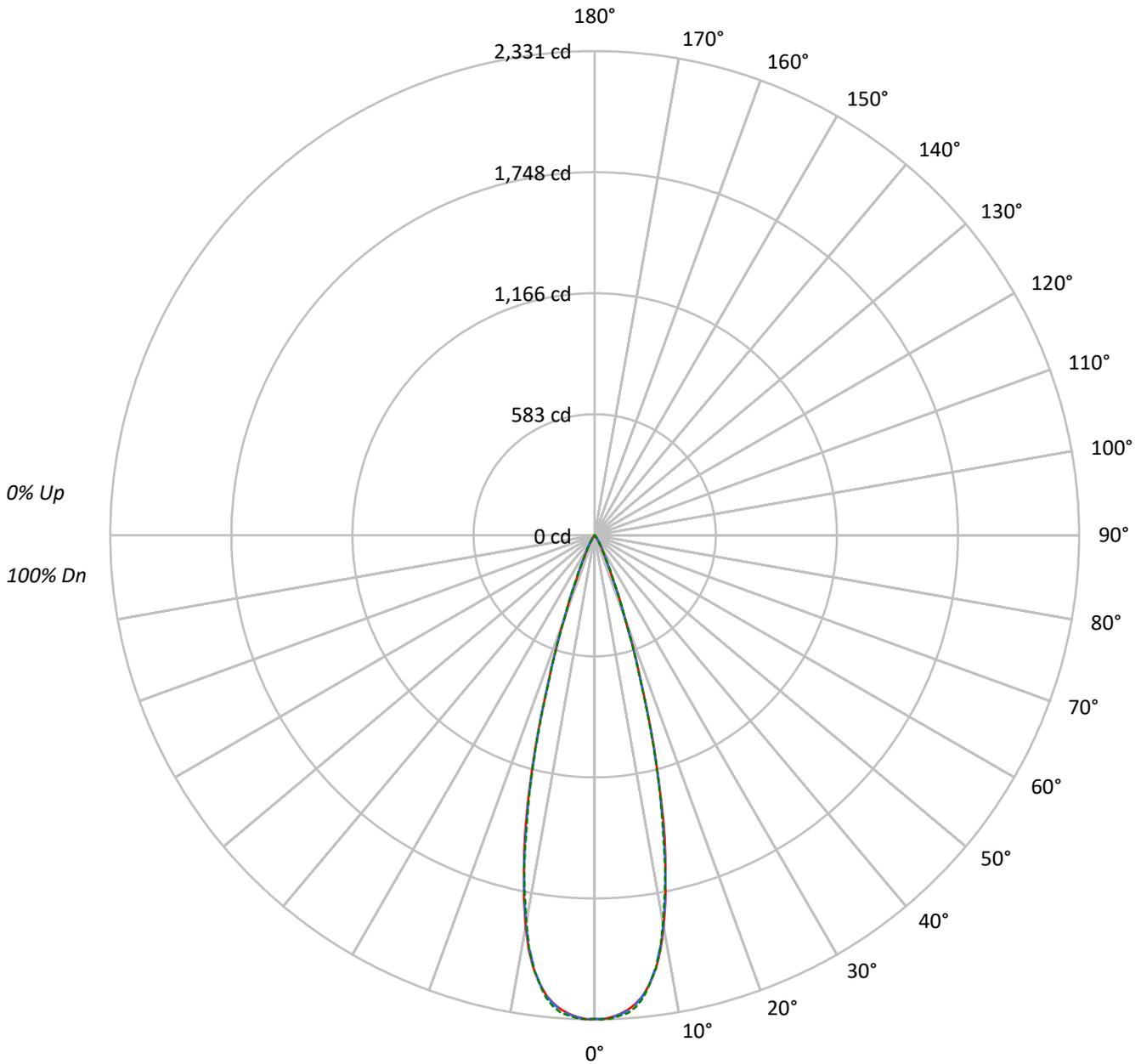
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 601.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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: P1307801
CATALOG NUMBER: LDSQA3D05R309027DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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 CATALOG NUMBER: LDSQA3D05R309027DE010 3LSQCDR1MB

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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	401141	401141	401141
5°	391350	391834	394012
10°	334247	332691	330732
15°	206273	203848	204597
20°	77965	78387	78295
25°	23981	26300	25046
30°	9665	12270	10043
35°	2859	5214	2943
40°	1147	2091	1147
45°	219	682	219
50°	0	134	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: 682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	34.2
10°-20°	304.2	50.6
20°-30°	75.4	12.6
30°-40°	14.2	2.4
40°-50°	1.8	0.3
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°	585.0	97.3
0°-40°	599.2	99.7
0°-60°	601.0	100.0
0°-90°	601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2329	2329	2329	2329	2329	
5°	2264	2263	2266	2270	2279	206
15°	1157	1146	1143	1152	1148	306
25°	126	135	138	138	132	73
35°	14	18	25	18	14	11
45°	1	1	3	2	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°	2329.2	2329.2	2329.2	2329.2	2329.2
1°	2330.1	2328.2	2328.2	2325.4	2330.6
2°	2321.7	2319.8	2323.1	2320.7	2327.3
3°	2309.1	2306.7	2311.4	2312.8	2316.1
4°	2290.4	2288.5	2293.6	2296.4	2305.3
5°	2263.7	2262.8	2266.5	2270.3	2279.1
6°	2227.3	2225.9	2228.2	2232.9	2238.5
7°	2174.4	2171.6	2173.5	2174.4	2175.8
8°	2107.6	2103.4	2101.1	2106.2	2109.0
9°	2021.6	2016.9	2011.8	2009.9	2016.5
10°	1911.3	1904.3	1902.4	1897.7	1891.2
11°	1783.2	1777.6	1776.2	1767.8	1764.0
12°	1636.4	1633.6	1636.9	1631.8	1629.9
13°	1495.7	1478.0	1475.6	1465.8	1460.7
14°	1329.3	1313.0	1312.5	1307.4	1314.4
15°	1156.9	1145.6	1143.3	1152.2	1147.5
17.5°	737.6	745.1	743.2	738.5	730.6
20°	425.4	420.2	427.7	429.6	427.2
22.5°	226.7	228.6	230.0	235.6	239.3
25°	126.2	134.6	138.4	137.9	131.8
27.5°	78.5	83.7	90.7	86.0	80.9
30°	48.6	52.8	61.7	53.3	50.5
32.5°	26.2	33.2	39.7	33.2	27.1
35°	13.6	17.8	24.8	18.2	14.0
37.5°	8.9	10.3	15.9	10.3	8.9
40°	5.1	6.5	9.3	6.5	5.1
42.5°	2.3	3.7	5.1	3.7	2.3
45°	0.9	1.4	2.8	1.9	0.9
47.5°	0.0	0.5	1.4	0.5	0.0
50°	0.0	0.0	0.5	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)