

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: P1307853

Luminaire Tested: LDSQA3D05R509027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

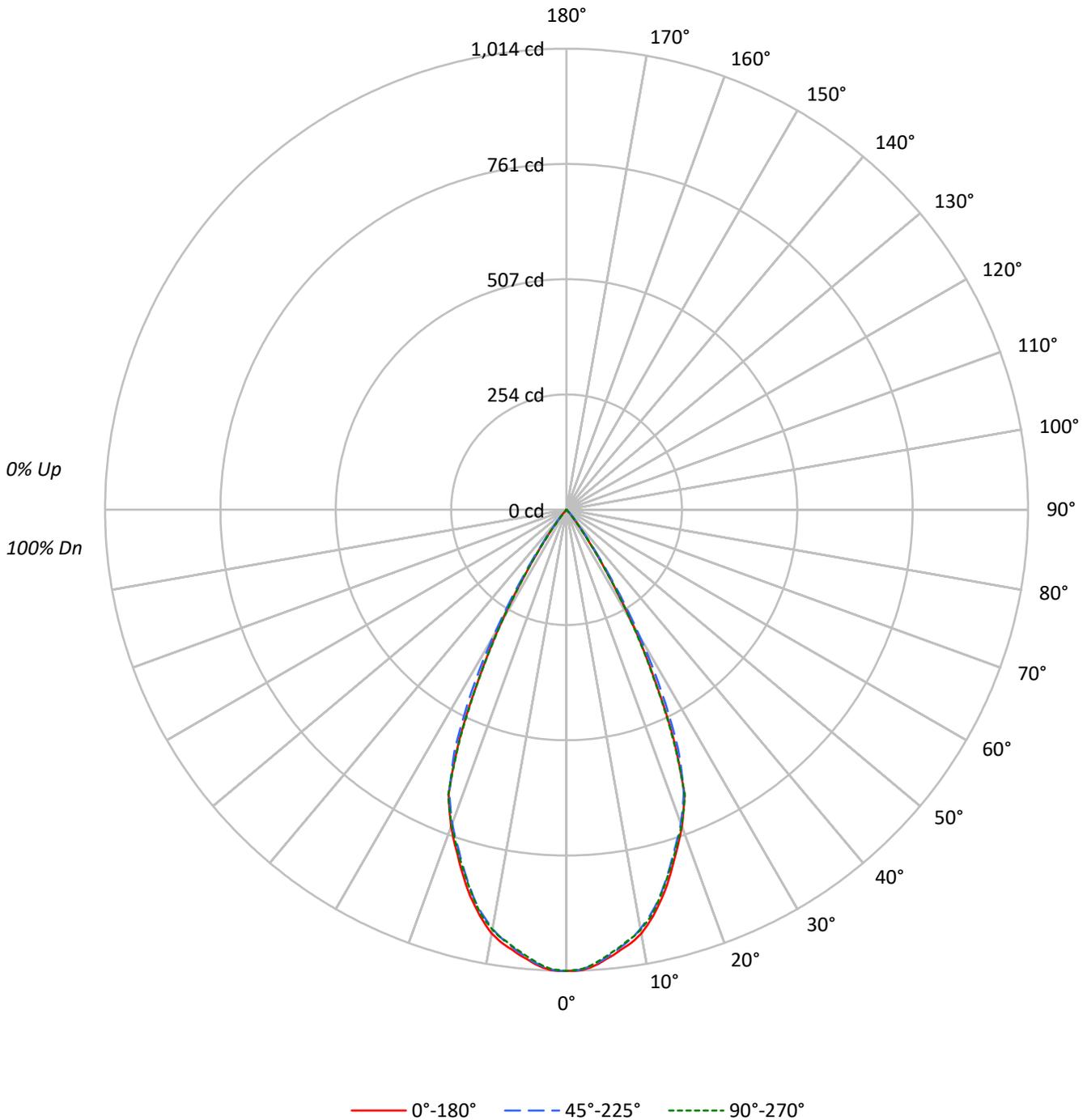
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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

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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	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	174651	174651	174651
5°	171601	171117	170633
10°	165488	163687	164019
15°	152231	150323	150733
20°	135935	134653	135422
25°	105807	110234	104648
30°	57313	63995	56299
35°	18060	21508	17682
40°	3979	5576	3777
45°	122	1705	122
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°	92.9	14.2
10°-20°	236.0	36.1
20°-30°	248.6	38.1
30°-40°	71.0	10.9
40°-50°	4.4	0.7
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°	577.6	88.4
0°-40°	648.6	99.3
0°-60°	653.0	100.0
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	993	992	990	989	987	93
15°	854	848	843	844	845	238
25°	557	577	580	574	551	244
35°	86	92	102	87	84	67
45°	0	2	7	2	0	3
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°	1014.1	1014.1	1014.1	1014.1	1014.1
1°	1014.5	1015.0	1014.1	1015.0	1012.7
2°	1013.1	1012.2	1011.2	1011.7	1010.3
3°	1008.0	1007.5	1005.6	1006.1	1004.2
4°	1001.4	1000.0	998.6	997.7	995.8
5°	992.6	991.6	989.8	988.8	987.0
6°	985.1	983.2	980.0	979.0	977.2
7°	975.3	974.3	970.1	969.2	968.3
8°	967.8	965.0	959.9	960.3	958.0
9°	958.0	954.3	949.1	949.1	949.6
10°	946.3	940.7	936.0	937.4	937.9
11°	930.9	927.2	920.2	923.4	923.4
12°	914.1	909.4	904.3	907.1	909.0
13°	894.5	890.7	886.1	888.9	887.9
14°	875.3	868.3	865.1	868.8	867.4
15°	853.8	848.2	843.1	844.5	845.4
17.5°	796.4	790.3	786.6	787.0	791.3
20°	741.7	739.4	734.7	736.6	738.9
22.5°	677.3	678.2	672.6	674.0	679.6
25°	556.8	577.3	580.1	573.6	550.7
27.5°	412.4	443.3	452.6	437.7	409.6
30°	288.2	296.6	321.8	293.3	283.1
32.5°	169.1	181.7	195.2	175.6	168.6
35°	85.9	92.0	102.3	86.9	84.1
37.5°	39.7	42.5	46.7	39.7	37.4
40°	17.7	21.0	24.8	20.1	16.8
42.5°	5.6	9.8	13.1	8.9	5.1
45°	0.5	2.3	7.0	2.3	0.5
47.5°	0.0	0.5	2.8	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)