

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: P1306872

Luminaire Tested: LDSQA3D05R459024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306872
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: LDSQA3D05R459024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

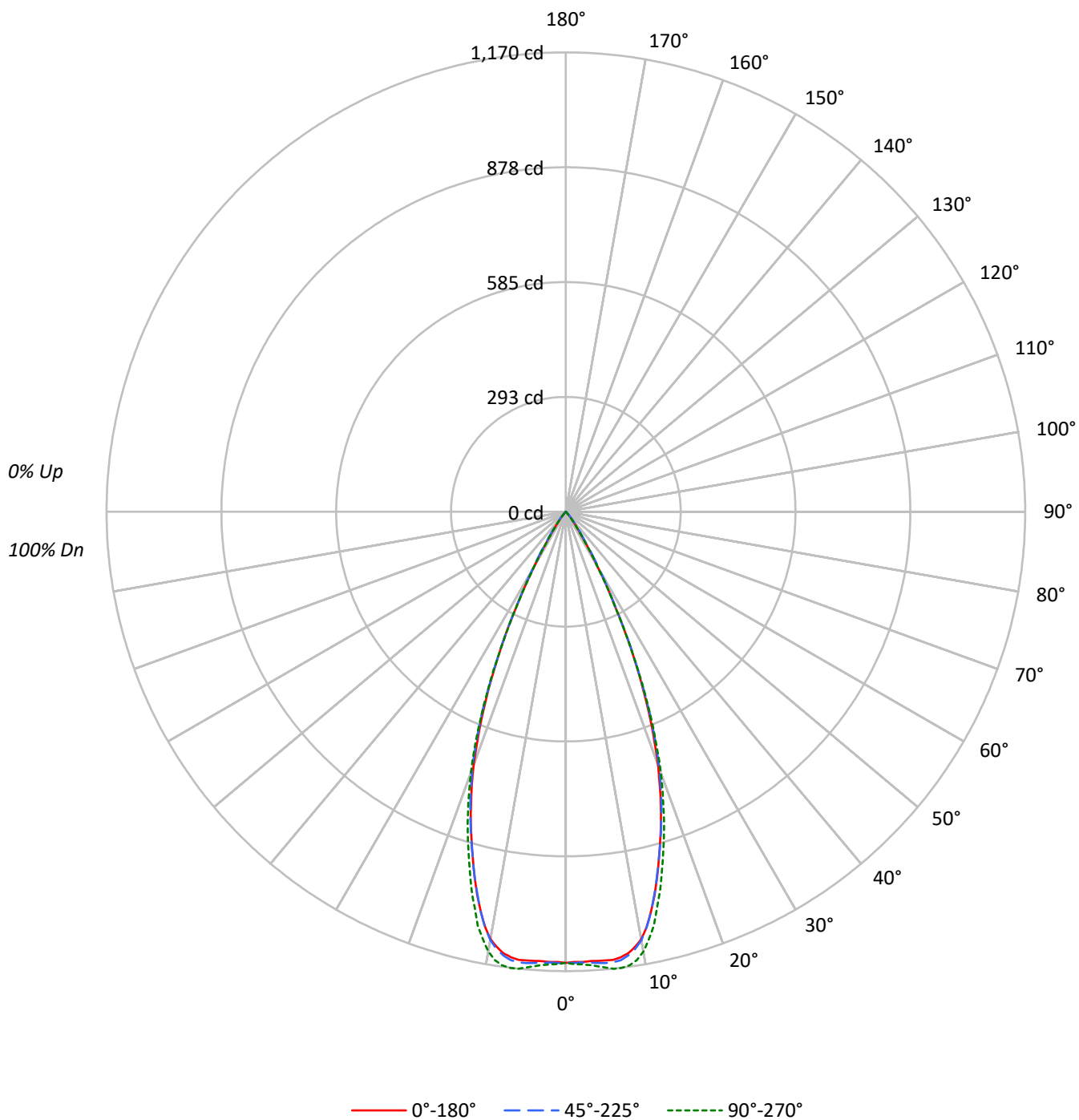
Lumens per Lamp: N/A
Luminaire Lumens: 594.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1306872

CATALOG NUMBER: LDSQA3D05R459024DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306872

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	197867	197867	197867
5°	198311	199470	201440
10°	193347	193731	198838
15°	163125	163196	168545
20°	125910	127706	129796
25°	78120	78196	78709
30°	32216	34245	31699
35°	10029	12257	9650
40°	3080	4272	2878
45°	219	1607	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: 1607 cd/sqm

TEST NUMBER: P1306872

CATALOG NUMBER: LDSQA3D05R459024DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	18.4
10°-20°	254.2	42.8
20°-30°	186.5	31.4
30°-40°	40.1	6.7
40°-50°	3.8	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°	550.1	92.6
0°-40°	590.2	99.4
0°-60°	594.0	100.0
0°-90°	594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1147	1150	1154	1162	1165	108
15°	915	913	915	930	945	252
25°	411	410	412	412	414	184
35°	48	51	58	50	46	38
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	

TEST NUMBER: P1306872

CATALOG NUMBER: LDSQA3D05R459024DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1148.9	1148.9	1148.9	1148.9	1148.9
1°	1146.7	1149.3	1149.3	1151.1	1152.0
2°	1147.6	1149.3	1148.9	1152.0	1153.3
3°	1146.3	1149.3	1150.2	1153.8	1156.0
4°	1146.7	1149.3	1152.0	1157.3	1160.4
5°	1147.1	1150.2	1153.8	1161.7	1165.2
6°	1147.6	1149.8	1153.8	1163.9	1170.5
7°	1143.2	1146.3	1150.7	1163.5	1170.5
8°	1136.1	1137.9	1141.4	1158.2	1166.6
9°	1122.8	1122.4	1127.7	1146.3	1156.0
10°	1105.6	1100.3	1107.8	1126.4	1137.0
11°	1077.8	1072.1	1078.7	1098.6	1108.7
12°	1041.6	1041.6	1042.9	1060.6	1078.3
13°	1003.2	998.8	1001.4	1021.3	1033.7
14°	960.8	956.4	959.0	974.0	993.5
15°	914.9	913.1	915.3	929.9	945.3
17.5°	805.8	801.8	809.8	824.4	832.3
20°	687.0	693.7	696.8	706.0	708.2
22.5°	550.6	557.7	562.1	563.4	564.7
25°	411.1	409.8	411.5	411.5	414.2
27.5°	270.2	270.2	275.1	272.0	268.9
30°	162.0	168.7	172.2	166.5	159.4
32.5°	88.3	94.9	100.7	92.3	86.1
35°	47.7	51.2	58.3	49.9	45.9
37.5°	26.1	29.1	33.6	28.3	26.1
40°	13.7	16.8	19.0	16.8	12.8
42.5°	4.4	8.4	11.0	8.4	4.0
45°	0.9	2.6	6.6	2.6	0.9
47.5°	0.0	0.4	3.1	0.4	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



TEST NUMBER: P1306872

CATALOG NUMBER: LDSQA3D05R459024DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)