

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: P1311163

Luminaire Tested: LDSQA3D05R309040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309040DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

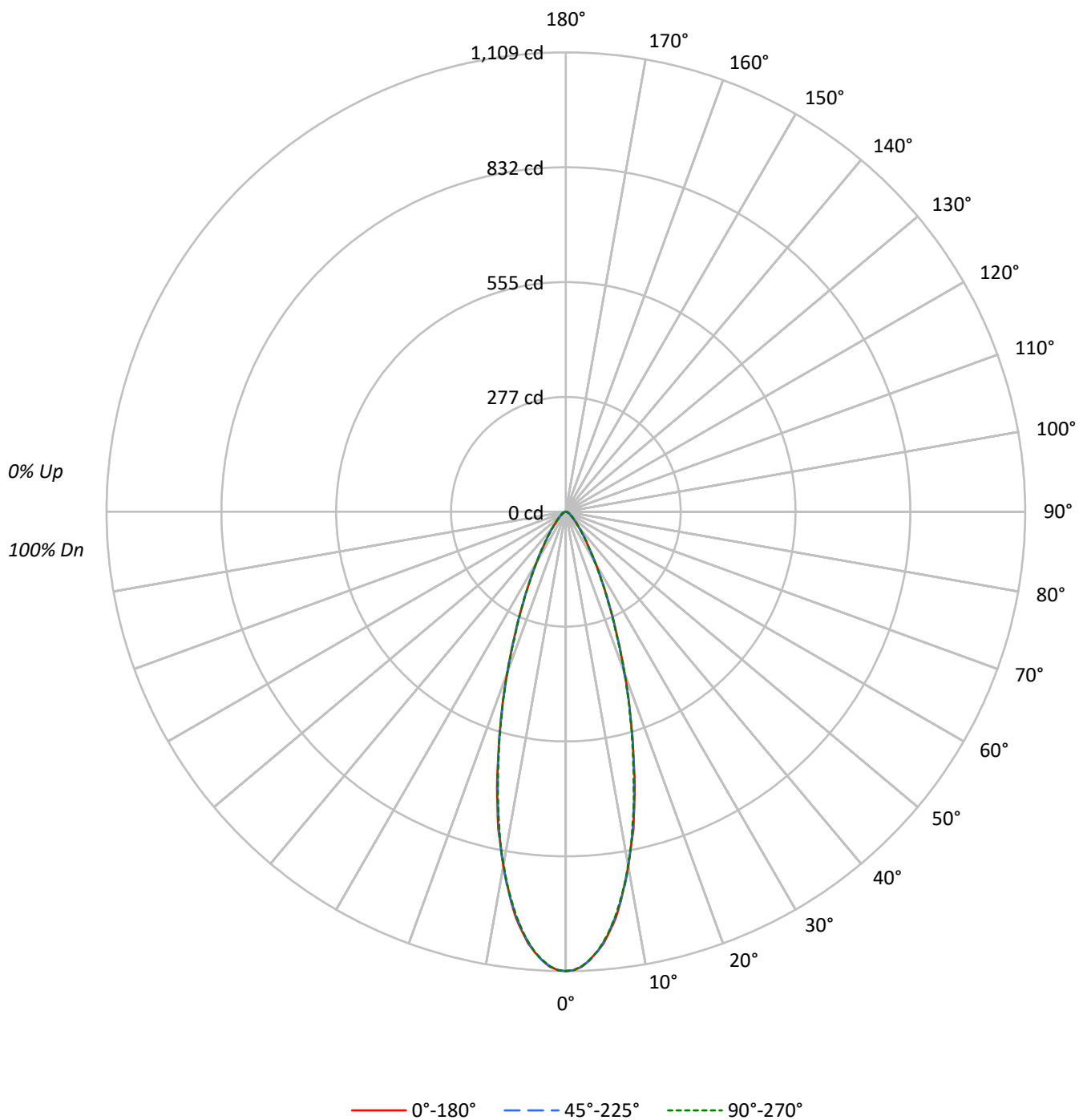
Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	190978	190978	190978
5°	180816	180349	180245
10°	151900	151900	151341
15°	113166	112880	112203
20°	75748	75345	75455
25°	46690	46595	46785
30°	28080	28080	28179
35°	17219	17219	17324
40°	10904	10904	11151
45°	7477	7623	7623
50°	5493	5493	5493
55°	4204	4354	4354
60°	3513	3513	3720
65°	3056	3056	3056
70°	2719	2971	2971
75°	2529	2529	2529
80°	2182	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	19.3
10°-20°	173.6	35.6
20°-30°	115.4	23.7
30°-40°	53.3	11.0
40°-50°	24.8	5.1
50°-60°	13.2	2.7
60°-70°	7.7	1.6
70°-80°	4.1	0.8
80°-90°	0.9	0.2
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°	383.0	78.6
0°-40°	436.3	89.6
0°-60°	474.3	97.4
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1046	1044	1043	1046	1043	94
15°	635	637	633	633	629	174
25°	246	245	245	245	246	116
35°	82	81	82	82	82	53
45°	31	31	31	31	31	25
55°	14	14	14	14	14	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1108.9	1108.9	1108.9	1108.9	1108.9
1°	1106.7	1105.7	1106.7	1108.4	1106.2
2°	1099.2	1098.1	1098.1	1100.3	1098.1
3°	1084.7	1085.7	1085.2	1087.3	1083.6
4°	1066.3	1065.8	1067.9	1069.0	1065.8
5°	1045.9	1043.7	1043.2	1045.9	1042.6
6°	1017.8	1016.2	1015.1	1018.4	1014.1
7°	987.7	986.6	985.0	986.0	982.8
8°	950.5	949.9	948.9	949.9	946.2
9°	909.0	909.0	911.2	910.6	908.5
10°	868.6	869.7	868.6	869.7	865.4
11°	823.3	823.3	824.4	823.9	824.4
12°	784.0	779.7	778.6	777.5	774.3
13°	733.3	730.1	729.0	730.1	728.5
14°	687.0	684.8	679.5	680.5	678.4
15°	634.7	636.9	633.1	633.1	629.3
17.5°	518.9	516.7	517.8	518.3	516.7
20°	413.3	412.2	411.1	410.0	411.7
22.5°	321.1	321.7	320.6	319.5	318.4
25°	245.7	245.2	245.2	245.2	246.2
27.5°	186.4	186.4	186.4	187.0	187.0
30°	141.2	140.1	141.2	141.7	141.7
32.5°	105.6	106.7	107.2	107.2	107.2
35°	81.9	81.4	81.9	82.4	82.4
37.5°	62.5	62.5	63.0	63.0	63.6
40°	48.5	48.5	48.5	49.0	49.6
42.5°	38.3	38.3	38.8	38.8	39.3
45°	30.7	30.7	31.3	31.3	31.3
47.5°	24.8	24.8	25.3	25.3	25.3
50°	20.5	20.5	20.5	20.5	20.5
52.5°	17.2	16.7	17.2	17.2	17.2
55°	14.0	14.5	14.5	14.5	14.5
57.5°	11.9	12.4	12.4	12.4	12.4
60°	10.2	10.2	10.2	10.8	10.8
62.5°	8.6	9.2	9.2	9.2	9.2
65°	7.5	7.5	7.5	7.5	7.5
67.5°	6.5	6.5	6.5	6.5	7.0
70°	5.4	5.4	5.9	5.9	5.9
72.5°	4.8	4.8	4.8	4.8	4.8
75°	3.8	3.8	3.8	3.8	3.8
77.5°	2.7	2.7	3.2	3.2	2.7
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5
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)