

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: P1307809

Luminaire Tested: LDSQA3D05R309027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307809
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: LDSQA3D05R309027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

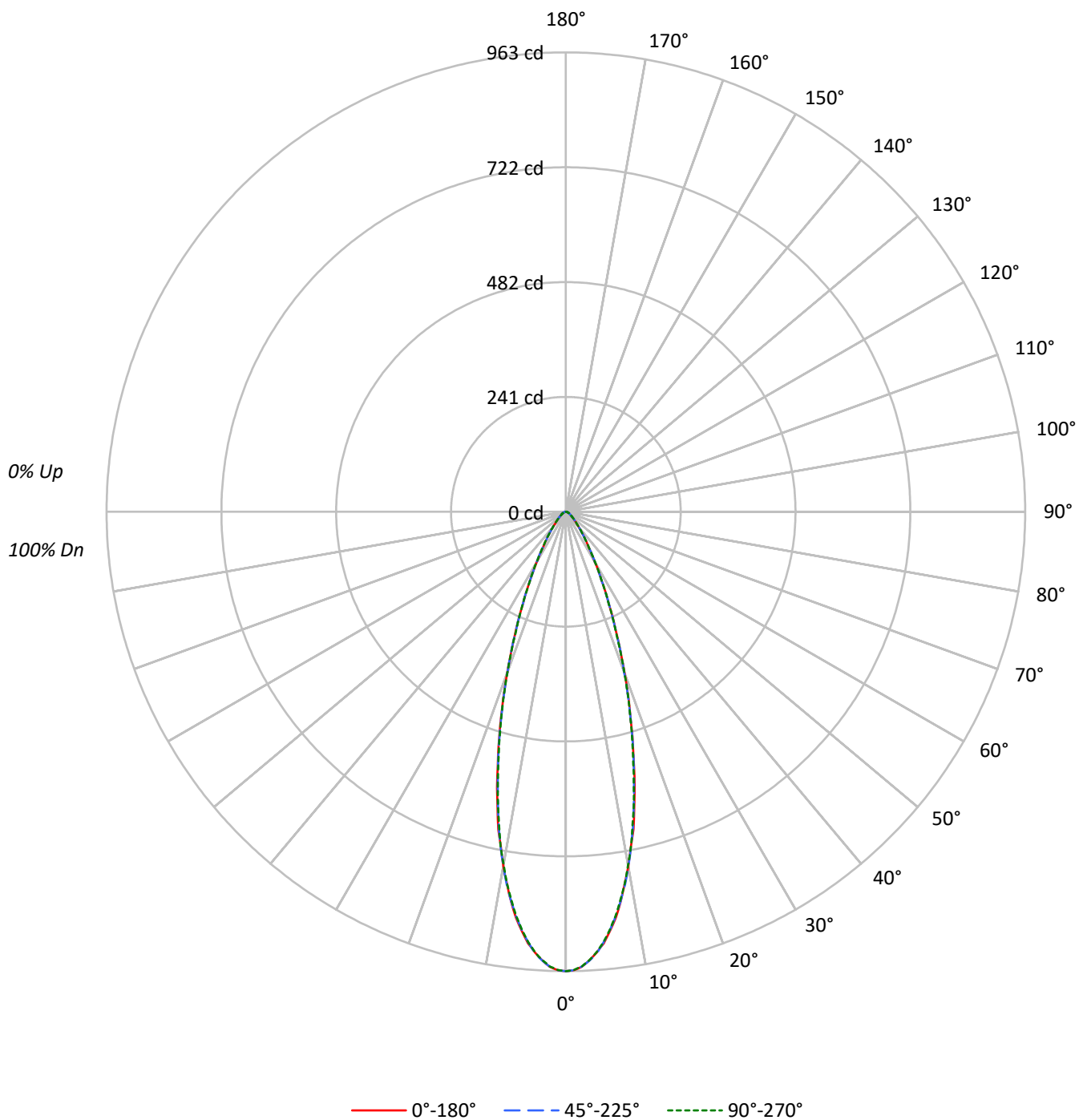
Lumens per Lamp: N/A
Luminaire Lumens: 423.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	94	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	65	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°	165885	165885	165885
5°	157045	156647	156561
10°	131929	131929	131439
15°	98296	98046	97458
20°	65796	65448	65539
25°	40552	40457	40647
30°	24381	24381	24480
35°	14948	14948	15054
40°	9465	9465	9690
45°	6503	6600	6600
50°	4769	4769	4769
55°	3663	3783	3783
60°	3066	3066	3238
65°	2690	2690	2690
70°	2367	2568	2568
75°	2196	2196	2196
80°	1884	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	19.3
10°-20°	150.8	35.6
20°-30°	100.2	23.7
30°-40°	46.3	11.0
40°-50°	21.5	5.1
50°-60°	11.5	2.7
60°-70°	6.7	1.6
70°-80°	3.6	0.8
80°-90°	0.8	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°	332.6	78.6
0°-40°	379.0	89.6
0°-60°	412.0	97.4
0°-90°	423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	908	906	906	908	906	82
15°	551	553	550	550	547	151
25°	213	213	213	213	214	100
35°	71	71	71	72	72	46
45°	27	27	27	27	27	21
55°	12	13	13	13	13	11
65°	7	7	7	7	7	7
75°	3	3	3	3	3	3
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°	963.2	963.2	963.2	963.2	963.2
1°	961.3	960.4	961.3	962.7	960.8
2°	954.7	953.8	953.8	955.7	953.8
3°	942.1	943.0	942.6	944.5	941.2
4°	926.2	925.7	927.6	928.5	925.7
5°	908.4	906.5	906.1	908.4	905.6
6°	884.1	882.7	881.7	884.5	880.8
7°	857.9	856.9	855.5	856.5	853.7
8°	825.6	825.1	824.2	825.1	821.8
9°	789.5	789.5	791.4	790.9	789.1
10°	754.4	755.4	754.4	755.4	751.6
11°	715.1	715.1	716.1	715.6	716.1
12°	681.0	677.2	676.3	675.3	672.5
13°	637.0	634.2	633.2	634.2	632.8
14°	596.7	594.8	590.2	591.1	589.2
15°	551.3	553.2	549.9	549.9	546.6
17.5°	450.7	448.8	449.8	450.2	448.8
20°	359.0	358.0	357.1	356.2	357.6
22.5°	278.9	279.4	278.5	277.5	276.6
25°	213.4	212.9	212.9	212.9	213.9
27.5°	161.9	161.9	161.9	162.4	162.4
30°	122.6	121.7	122.6	123.1	123.1
32.5°	91.7	92.7	93.1	93.1	93.1
35°	71.1	70.7	71.1	71.6	71.6
37.5°	54.3	54.3	54.8	54.8	55.2
40°	42.1	42.1	42.1	42.6	43.1
42.5°	33.2	33.2	33.7	33.7	34.2
45°	26.7	26.7	27.1	27.1	27.1
47.5°	21.5	21.5	22.0	22.0	22.0
50°	17.8	17.8	17.8	17.8	17.8
52.5°	15.0	14.5	15.0	15.0	15.0
55°	12.2	12.6	12.6	12.6	12.6
57.5°	10.3	10.8	10.8	10.8	10.8
60°	8.9	8.9	8.9	9.4	9.4
62.5°	7.5	8.0	8.0	8.0	8.0
65°	6.6	6.6	6.6	6.6	6.6
67.5°	5.6	5.6	5.6	5.6	6.1
70°	4.7	4.7	5.1	5.1	5.1
72.5°	4.2	4.2	4.2	4.2	4.2
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.3	2.3	2.8	2.8	2.3
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.4	1.4	1.4	1.4	1.4
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)