

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: P1316274

Luminaire Tested: LDSQA3D05R309740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316274
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: LDSQA3D05R309740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

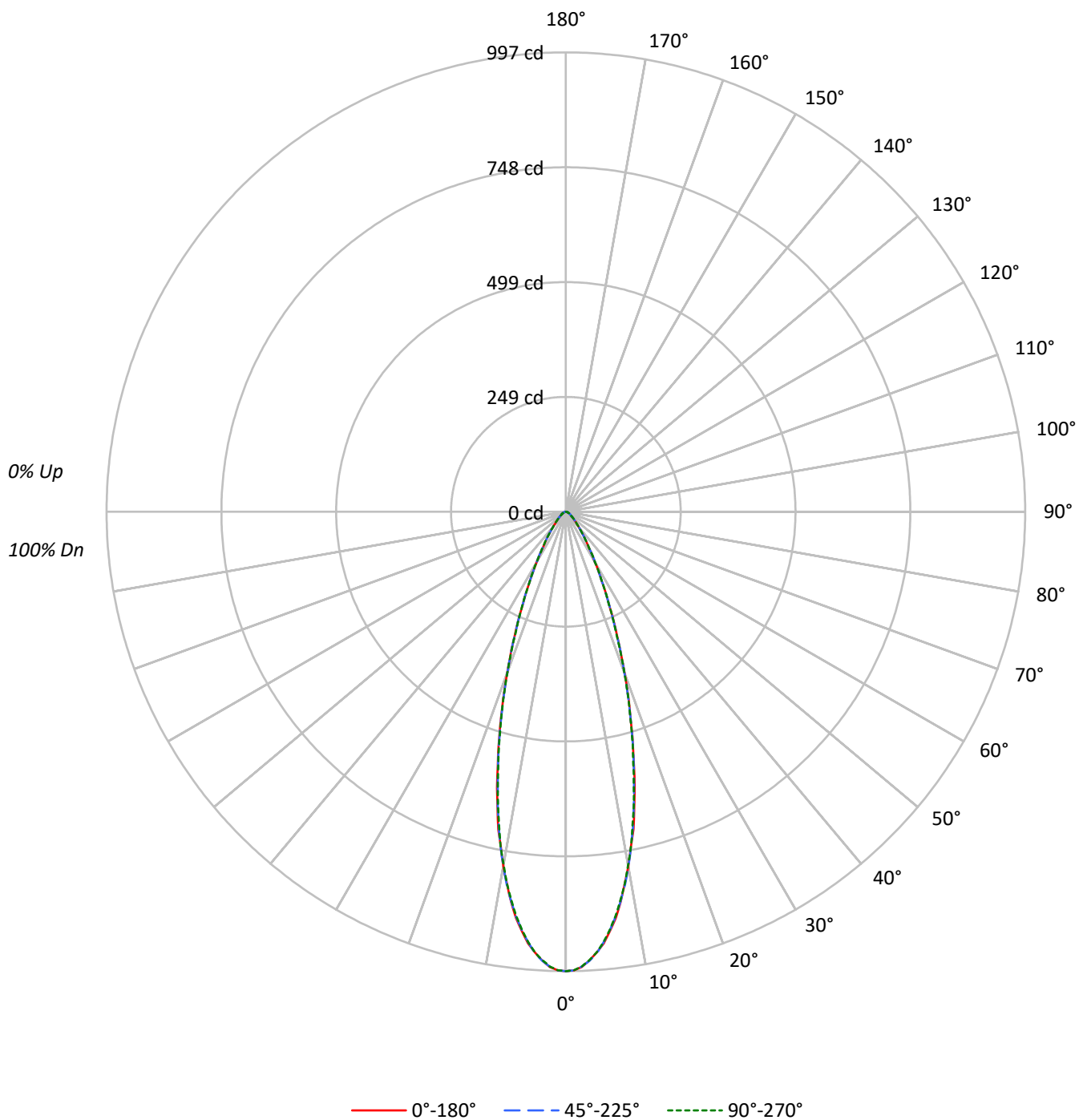
Lumens per Lamp: N/A
Luminaire Lumens: 438.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	171758	171758	171758
5°	162611	162196	162110
10°	136616	136616	136109
15°	101790	101523	100917
20°	68124	67775	67849
25°	41996	41901	42091
30°	25256	25256	25355
35°	15495	15495	15579
40°	9802	9802	10027
45°	6722	6844	6844
50°	4930	4930	4930
55°	3783	3933	3933
60°	3169	3169	3341
65°	2771	2771	2771
70°	2417	2669	2669
75°	2262	2262	2262
80°	1884	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	19.3
10°-20°	156.1	35.6
20°-30°	103.8	23.7
30°-40°	48.0	11.0
40°-50°	22.3	5.1
50°-60°	11.9	2.7
60°-70°	6.9	1.6
70°-80°	3.7	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°	344.4	78.6
0°-40°	392.4	89.6
0°-60°	426.6	97.4
0°-90°	438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	941	939	938	941	938	85
15°	571	573	569	569	566	157
25°	221	220	220	220	222	104
35°	74	73	74	74	74	48
45°	28	28	28	28	28	22
55°	13	13	13	13	13	12
65°	7	7	7	7	7	7
75°	3	3	3	3	3	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°	997.3	997.3	997.3	997.3	997.3
1°	995.4	994.4	995.4	996.8	994.9
2°	988.6	987.6	987.6	989.6	987.6
3°	975.5	976.5	976.0	977.9	974.6
4°	959.0	958.6	960.5	961.5	958.6
5°	940.6	938.7	938.2	940.6	937.7
6°	915.4	914.0	913.0	915.9	912.0
7°	888.3	887.3	885.9	886.8	883.9
8°	854.9	854.4	853.4	854.4	851.0
9°	817.5	817.5	819.5	819.0	817.1
10°	781.2	782.2	781.2	782.2	778.3
11°	740.5	740.5	741.5	741.0	741.5
12°	705.1	701.2	700.3	699.3	696.4
13°	659.6	656.6	655.7	656.6	655.2
14°	617.9	615.9	611.1	612.1	610.1
15°	570.9	572.8	569.4	569.4	566.0
17.5°	466.7	464.7	465.7	466.2	464.7
20°	371.7	370.7	369.8	368.8	370.2
22.5°	288.8	289.3	288.3	287.4	286.4
25°	221.0	220.5	220.5	220.5	221.5
27.5°	167.7	167.7	167.7	168.2	168.2
30°	127.0	126.0	127.0	127.5	127.5
32.5°	95.0	96.0	96.4	96.4	96.4
35°	73.7	73.2	73.7	74.1	74.1
37.5°	56.2	56.2	56.7	56.7	57.2
40°	43.6	43.6	43.6	44.1	44.6
42.5°	34.4	34.4	34.9	34.9	35.4
45°	27.6	27.6	28.1	28.1	28.1
47.5°	22.3	22.3	22.8	22.8	22.8
50°	18.4	18.4	18.4	18.4	18.4
52.5°	15.5	15.0	15.5	15.5	15.5
55°	12.6	13.1	13.1	13.1	13.1
57.5°	10.7	11.1	11.1	11.1	11.1
60°	9.2	9.2	9.2	9.7	9.7
62.5°	7.8	8.2	8.2	8.2	8.2
65°	6.8	6.8	6.8	6.8	6.8
67.5°	5.8	5.8	5.8	5.8	6.3
70°	4.8	4.8	5.3	5.3	5.3
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.4	2.4	2.9	2.9	2.4
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.5	1.5	1.5	1.5	1.5
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)