

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: P1319852

Luminaire Tested: LDSQA3D05R459840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459840DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

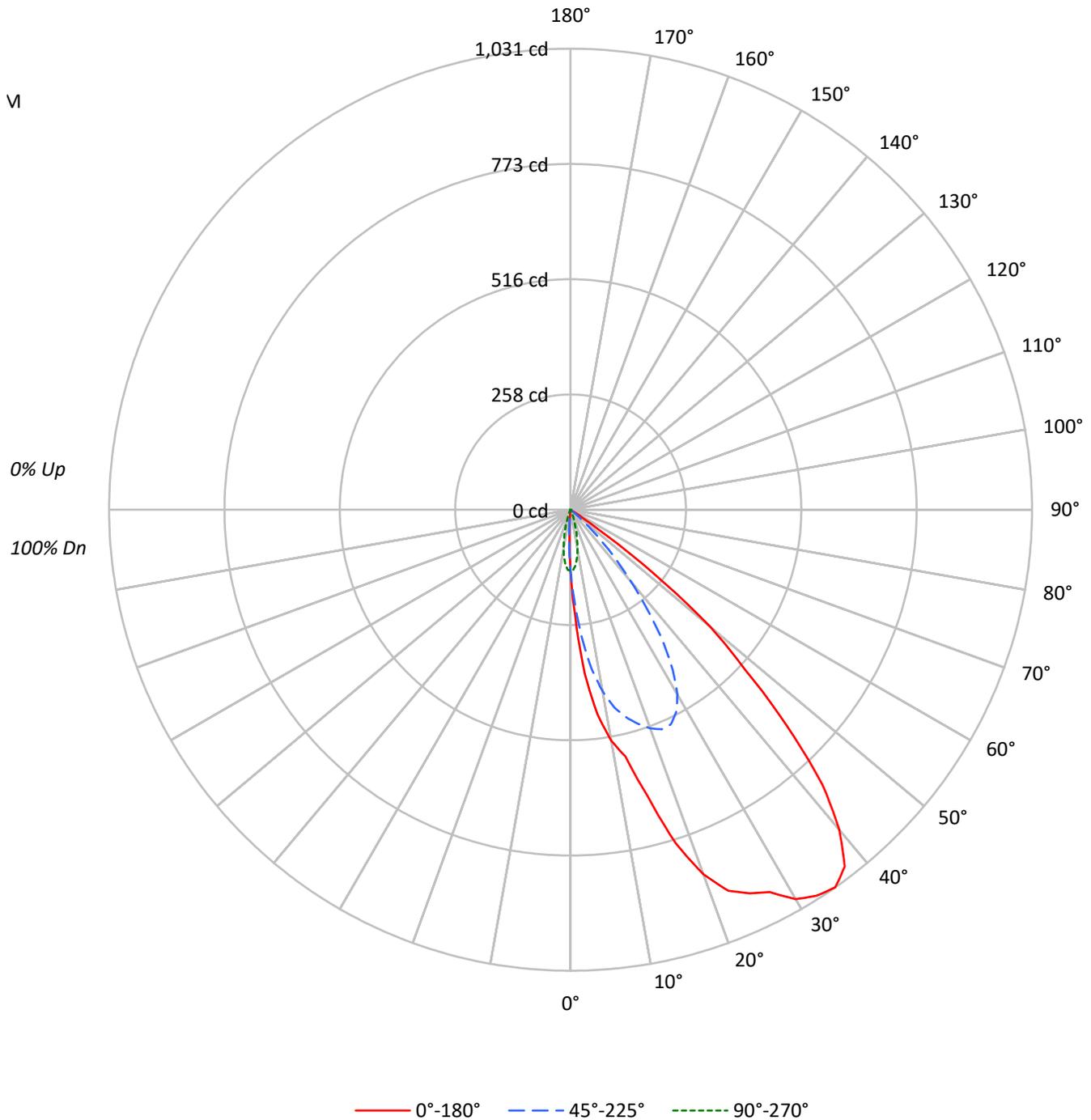
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
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				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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23371	23371	23371	23371	23371
5°	63810	49098	21627	4339	1625
10°	91654	72033	15634	420	350
15°	117980	85672	8327	143	0
20°	159028	95322	3171	0	0
25°	179860	100695	817	0	0
30°	199939	94938	80	0	0
35°	216721	75709	0	0	0
40°	210072	47527	0	0	0
45°	166522	22651	0	0	0
50°	108994	2840	0	0	0
55°	18736	0	0	0	0
60°	0	0	138	0	0
65°	0	163	163	0	0
70°	0	201	403	0	0
75°	0	266	532	0	0
80°	0	397	793	397	0
85°	0	790	1581	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 166522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	3.7
10°-20°	62.3	14.2
20°-30°	116.5	26.7
30°-40°	136.0	31.1
40°-50°	88.7	20.3
50°-60°	16.5	3.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	0.1
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°	195.0	44.6
0°-40°	331.0	75.7
0°-60°	436.2	99.8
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	136	136	136	136	136	
5°	369	284	125	25	9	40
15°	662	480	47	1	0	197
25°	946	530	4	0	0	438
35°	1031	360	0	0	0	632
45°	684	93	0	0	0	520
55°	62	0	0	0	0	108
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
2.5°	239.3	241.2	237.3	235.7	230.6	231.8	223.2	219.7	214.2	205.1	200.8
5°	369.1	365.6	362.4	355.8	351.9	341.3	329.5	316.2	300.1	284.0	265.6
7.5°	461.7	458.9	457.8	452.3	444.4	433.4	418.1	401.3	380.5	358.9	331.1
10°	524.1	521.3	516.6	511.1	504.8	495.8	480.9	462.5	439.7	411.9	379.3
12.5°	564.8	564.5	556.6	550.3	542.5	534.6	519.3	504.4	482.1	453.4	416.6
15°	661.7	655.5	645.3	627.6	605.6	585.2	560.5	537.0	512.7	480.5	439.3
17.5°	782.6	775.5	758.2	735.9	700.6	661.7	619.4	582.1	545.6	502.1	453.4
20°	867.7	864.9	850.4	824.5	786.9	735.5	679.8	627.2	575.8	520.1	460.1
22.5°	922.2	920.6	914.7	897.1	858.6	801.0	729.2	658.6	596.6	531.5	458.2
25°	946.5	948.5	949.3	940.6	909.6	850.8	765.7	682.5	608.4	529.9	443.2
27.5°	963.8	963.8	966.9	963.0	931.6	869.6	779.8	690.8	604.5	510.7	411.9
30°	1005.4	1004.6	1006.5	995.9	952.4	875.5	773.5	677.4	582.1	477.4	366.8
32.5°	1023.4	1024.2	1023.8	1006.9	956.3	871.6	758.2	651.9	540.9	425.2	307.1
35°	1030.8	1027.3	1012.8	974.4	910.4	819.4	715.1	608.8	483.3	360.1	242.4
37.5°	1006.1	995.9	963.8	911.2	833.2	745.7	643.7	531.5	406.8	282.4	182.4
40°	934.4	921.0	880.6	817.1	745.7	666.8	559.4	440.9	318.1	211.4	127.9
42.5°	832.8	817.5	773.9	718.6	653.5	570.7	463.6	345.2	233.0	145.9	81.2
45°	683.7	675.1	650.0	603.3	539.4	453.4	355.4	251.8	161.2	93.0	41.6
47.5°	528.8	517.8	499.7	467.6	414.2	332.6	248.7	171.0	103.6	45.9	8.6
50°	406.8	393.8	371.9	336.2	280.5	222.0	161.2	106.7	52.6	10.6	0.4
52.5°	234.2	236.9	226.3	203.6	172.6	133.0	93.4	53.7	11.8	0.4	0.0
55°	62.4	67.5	65.9	71.0	62.4	52.6	38.8	10.2	0.8	0.0	0.0
57.5°	0.0	0.0	0.4	0.8	2.4	3.5	1.2	0.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
2.5°	191.0	182.8	172.6	134.9	101.6	73.0	56.9	52.6
5°	247.9	227.9	202.0	125.1	62.8	25.1	11.4	9.4
7.5°	301.6	272.2	225.5	109.4	31.8	6.3	3.1	2.7
10°	343.2	303.6	242.8	89.4	11.8	2.4	2.0	2.0
12.5°	371.9	323.6	249.1	67.9	4.3	1.2	1.2	0.8
15°	388.3	331.5	243.2	46.7	1.6	0.8	0.0	0.0
17.5°	393.4	328.3	227.5	29.4	0.4	0.0	0.0	0.0
20°	389.1	313.0	202.8	17.3	0.0	0.0	0.0	0.0
22.5°	375.0	289.1	173.0	9.4	0.0	0.0	0.0	0.0
25°	348.7	255.4	138.1	4.3	0.0	0.0	0.0	0.0
27.5°	306.0	211.8	103.9	1.6	0.0	0.0	0.0	0.0
30°	257.3	165.1	73.7	0.4	0.0	0.0	0.0	0.0
32.5°	200.8	121.6	47.5	0.0	0.0	0.0	0.0	0.0
35°	151.0	85.1	28.2	0.0	0.0	0.0	0.0	0.0
37.5°	105.1	53.7	14.9	0.0	0.0	0.0	0.0	0.0
40°	65.5	29.0	5.1	0.0	0.0	0.0	0.0	0.0
42.5°	36.5	10.2	0.4	0.0	0.0	0.0	0.0	0.0
45°	8.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.8	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.8	0.8	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.8	0.8	0.4	0.0	0.0	0.0
77.5°	0.4	0.8	0.8	0.8	0.4	0.4	0.0	0.0
80°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.0
82.5°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.0
85°	0.4	0.8	0.8	0.8	0.4	0.4	0.0	0.0
87.5°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)