

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: P1319869

Luminaire Tested: LDSQA3D05R559840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

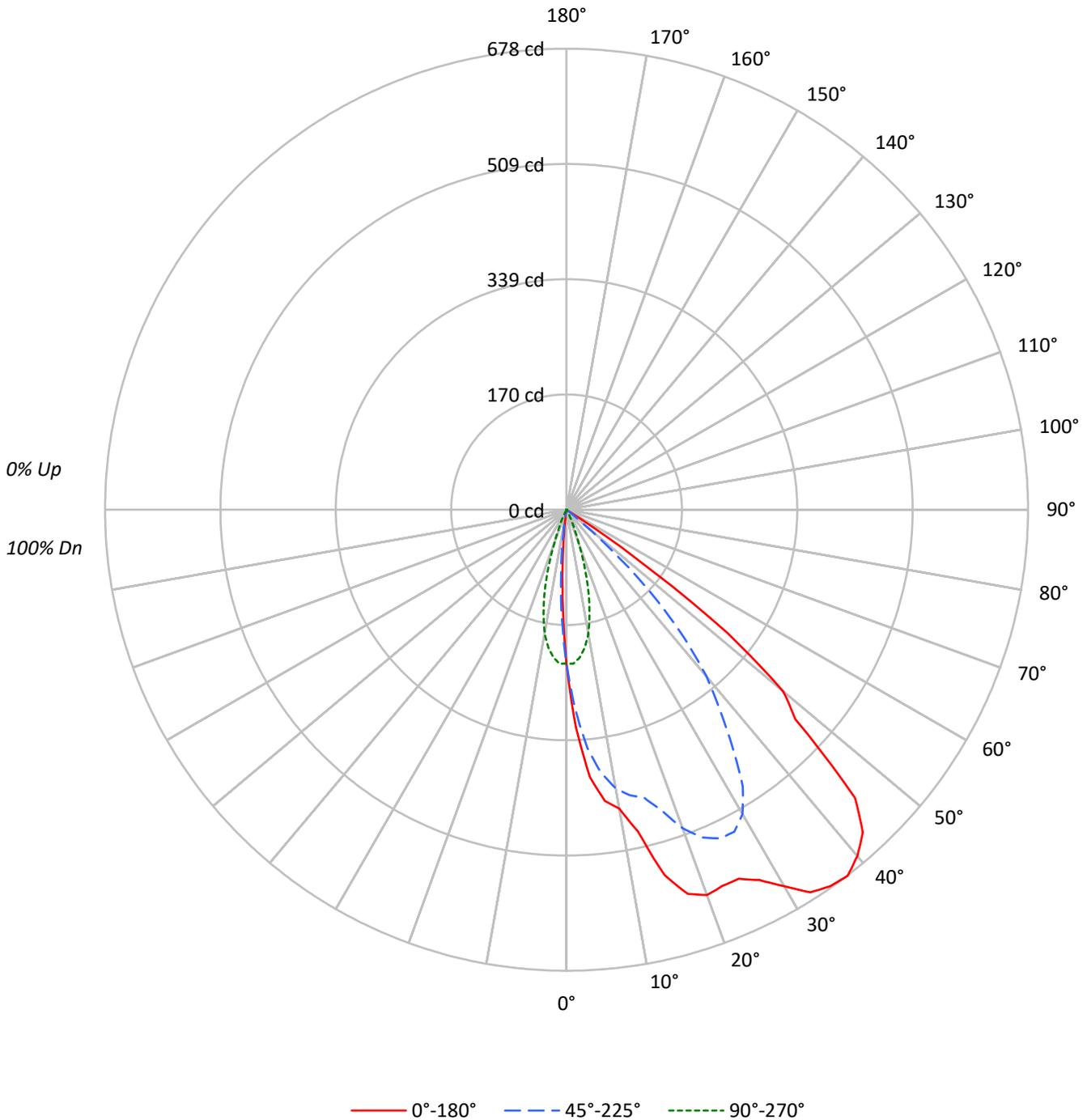
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 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	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38905	38905	38905	38905	38905
5°	68184	60785	37757	15680	9024
10°	78031	72750	32283	1714	612
15°	99169	78095	22127	357	214
20°	110515	91363	9714	0	0
25°	113769	101360	2755	0	0
30°	127095	102734	398	0	0
35°	142042	89186	0	0	0
40°	149416	71808	0	0	0
45°	146087	45351	0	0	0
50°	111245	9270	0	0	0
55°	36452	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	793	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 146087 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	4.9
10°-20°	60.5	14.5
20°-30°	98.4	23.5
30°-40°	116.9	28.0
40°-50°	95.6	22.9
50°-60°	25.3	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	179.5	42.9
0°-40°	296.4	70.9
0°-60°	417.3	99.8
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	226	226	226	226	226	
5°	394	352	218	91	52	39
15°	556	438	124	2	1	156
25°	599	533	14	0	0	282
35°	676	424	0	0	0	420
45°	600	186	0	0	0	431
55°	121	0	0	0	0	136
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9
2.5°	320.5	318.2	318.6	317.4	318.6	313.5	308.0	302.9	298.9	293.4	260.0
5°	394.4	390.5	389.3	387.7	386.1	379.9	374.7	368.5	361.0	351.6	290.3
7.5°	431.7	428.6	427.0	427.8	424.2	421.9	415.2	408.1	400.3	390.1	313.1
10°	446.2	443.1	442.7	442.3	441.9	440.3	437.2	430.9	423.8	416.0	326.0
12.5°	484.3	477.3	472.6	467.1	460.4	451.7	444.7	439.2	436.4	430.1	331.9
15°	556.2	549.5	544.4	537.4	524.8	506.3	489.4	467.8	449.0	438.0	329.6
17.5°	592.4	589.2	584.9	580.2	571.5	558.2	540.9	518.1	494.2	463.1	318.2
20°	603.0	601.4	598.3	596.3	590.4	581.0	569.2	551.5	529.1	498.5	300.5
22.5°	598.7	599.8	601.4	606.5	607.3	600.6	589.6	572.7	549.9	521.7	273.4
25°	598.7	597.9	597.9	608.5	615.1	612.0	604.2	588.8	565.7	533.4	240.0
27.5°	614.0	609.3	599.4	610.4	621.4	620.3	613.2	595.1	569.2	533.8	199.2
30°	639.1	628.9	612.8	623.0	633.2	628.9	617.5	594.3	561.3	516.6	149.3
32.5°	667.0	662.3	654.0	660.7	659.1	641.9	621.4	589.2	545.2	482.0	100.6
35°	675.6	676.4	670.9	669.8	660.7	643.0	621.4	574.7	511.4	424.2	59.7
37.5°	678.4	678.8	670.1	659.1	645.8	625.0	599.0	544.8	449.0	368.5	31.8
40°	664.6	664.3	650.1	636.8	621.8	601.4	563.7	482.0	389.7	319.4	11.4
42.5°	644.2	639.1	625.8	609.3	591.2	565.7	506.7	407.0	338.6	255.7	0.8
45°	599.8	595.1	584.5	566.8	546.8	510.7	417.6	349.6	275.4	186.2	0.0
47.5°	456.1	453.7	464.7	467.1	466.7	425.4	348.4	285.2	202.3	108.4	0.0
50°	415.2	412.1	401.1	386.9	361.8	327.2	279.3	211.3	118.6	34.6	0.0
52.5°	298.1	308.4	310.7	300.1	276.5	242.4	192.5	121.8	41.2	0.0	0.0
55°	121.4	115.1	119.8	125.7	130.4	119.8	88.8	43.2	0.4	0.0	0.0
57.5°	0.0	0.4	2.4	5.5	9.0	11.4	12.2	0.8	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	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
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):

	90°	112.5°	135°	157.5°	180°
0°	225.9	225.9	225.9	225.9	225.9
2.5°	226.7	191.7	157.9	139.4	130.4
5°	218.4	146.5	90.7	62.9	52.2
7.5°	204.7	100.6	36.1	14.9	10.6
10°	184.6	57.7	9.8	3.9	3.5
12.5°	155.9	26.3	3.5	2.7	2.7
15°	124.1	9.0	2.0	1.6	1.2
17.5°	87.2	2.4	0.8	0.0	0.0
20°	53.0	0.4	0.0	0.0	0.0
22.5°	29.5	0.0	0.0	0.0	0.0
25°	14.5	0.0	0.0	0.0	0.0
27.5°	6.3	0.0	0.0	0.0	0.0
30°	2.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.8	0.4	0.4	0.0	0.0
80°	0.8	0.4	0.4	0.0	0.0
82.5°	0.8	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.8	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)