Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1320817

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB_3500K

Issue Date: 1/29/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1320817
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D02R35B2750DE010 3LSQCA30R 1MB_3500K
Description:	3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	214.0 lumens
Efficiency:	N/A
Efficacy:	73.8 lumens/watt
Spacing Criteria (0/90/45):	2.53 / 0.46 / 1.29
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct
Input Watts (W):	2.9
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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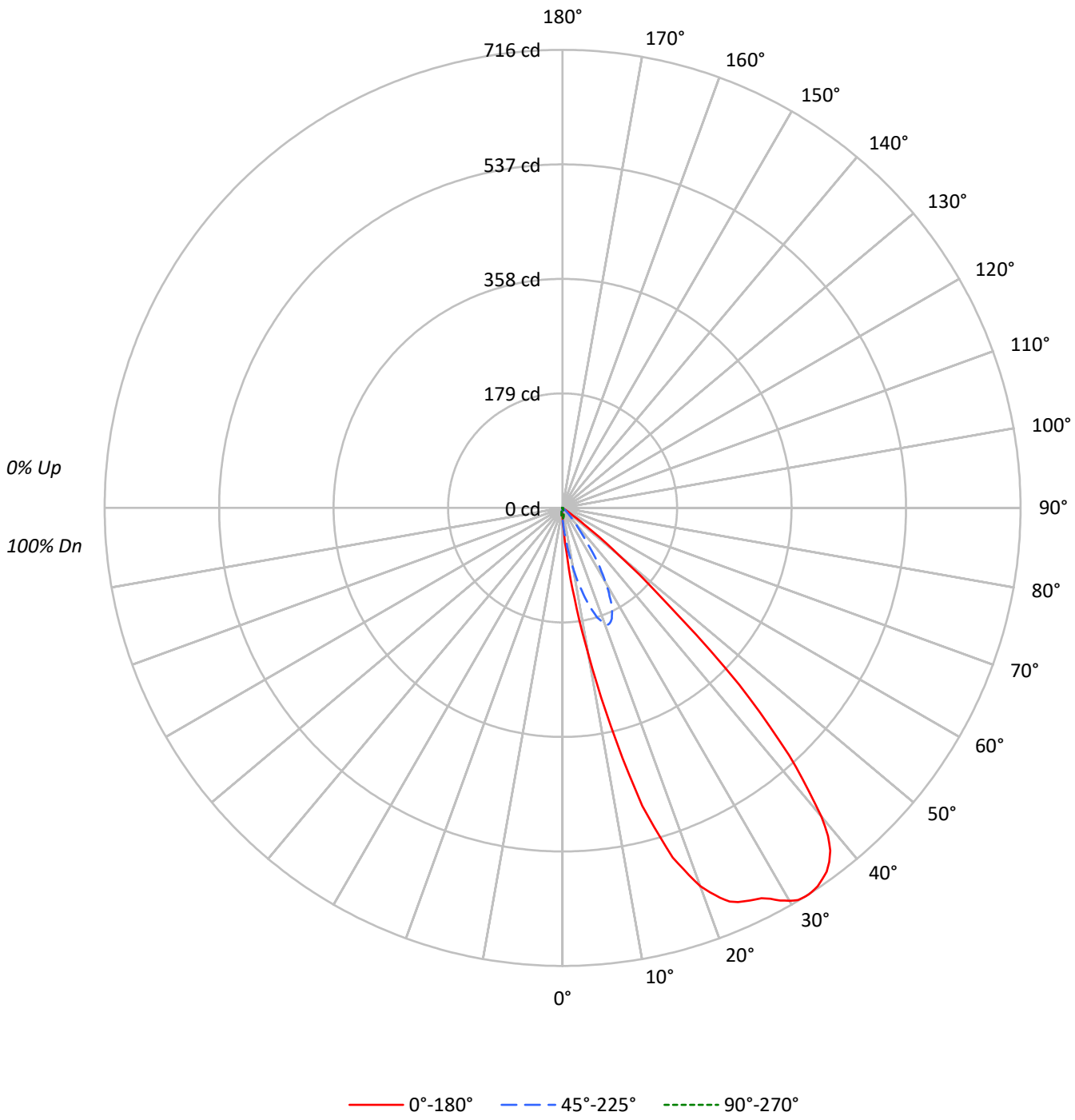
Luminous Intensity Polar Plot



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2773	2773	2773	2773	2773
5°	12067	7486	2576	916	640
10°	40624	16893	1924	210	70
15°	85975	27708	1195	0	0
20°	115280	35391	568	0	0
25°	128838	34756	114	0	0
30°	141035	26628	0	0	0
35°	148853	14507	0	0	0
40°	141502	6520	0	0	0
45°	94964	2874	0	0	0
50°	31723	268	0	0	0
55°	1711	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 94964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	1.6
10°-20°	29.7	13.9
20°-30°	65.1	30.4
30°-40°	75.4	35.2
40°-50°	37.2	17.4
50°-60°	2.8	1.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	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°	98.3	45.9
0°-40°	173.7	81.2
0°-60°	213.6	99.8
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	70	43	15	5	4	12
15°	482	155	7	0	0	136
25°	678	183	1	0	0	313
35°	708	69	0	0	0	437
45°	390	12	0	0	0	286
55°	6	0	0	0	0	23
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
2.5°	32.1	32.9	32.5	32.5	32.3	31.2	29.4	28.8	26.5	21.0	16.3
5°	69.8	70.0	69.4	66.4	63.7	61.2	55.9	53.5	43.3	25.7	14.9
7.5°	141.7	138.6	134.7	130.5	121.1	112.5	101.3	89.4	67.0	29.8	13.3
10°	232.3	228.0	224.8	214.6	197.6	180.1	158.6	139.2	96.6	32.7	11.0
12.5°	349.3	346.9	335.2	314.8	289.7	264.4	227.0	196.2	126.4	33.3	9.0
15°	482.2	478.1	460.4	431.4	397.3	357.5	307.5	255.6	155.4	31.4	6.7
17.5°	573.1	570.8	555.5	525.1	485.9	435.3	376.1	311.3	179.2	27.6	4.7
20°	629.0	625.7	611.4	585.7	544.7	491.8	421.6	346.9	193.1	22.7	3.1
21°	643.5	640.2	628.8	602.1	562.9	506.1	434.0	355.4	195.8	20.4	2.4
22°	657.2	653.9	641.9	618.2	579.4	520.2	443.8	362.0	195.4	18.6	1.8
23°	668.6	665.1	653.3	631.5	592.5	532.6	451.2	365.2	192.7	16.7	1.4
24°	674.5	672.5	661.9	641.3	603.1	541.4	456.3	366.5	189.5	14.9	1.0
25°	678.0	675.6	665.1	646.2	610.0	548.4	459.6	365.4	182.9	13.3	0.6
26°	681.7	678.0	666.2	647.8	613.7	551.6	459.8	362.8	176.0	11.8	0.2
27°	684.9	681.5	669.2	649.0	614.3	550.6	458.1	357.7	167.6	10.4	0.2
28°	692.1	688.2	674.1	651.7	614.9	548.0	453.0	350.7	156.6	9.2	0.0
29°	701.5	697.4	681.3	658.0	616.3	545.1	446.1	341.6	147.0	8.2	0.0
30°	709.2	705.6	690.7	666.0	620.0	542.4	437.9	329.1	133.9	6.9	0.0
31°	715.0	711.3	697.6	672.7	623.3	540.0	427.7	316.2	122.1	6.1	0.0
32°	716.4	713.3	700.5	675.6	623.3	536.3	418.3	301.7	110.4	5.1	0.0
33°	715.8	712.7	699.6	673.5	617.8	527.5	406.9	284.4	97.2	4.5	0.0
34°	713.5	709.8	696.0	667.0	607.0	512.6	390.3	267.0	83.3	3.7	0.0
35°	708.0	704.7	689.6	654.7	590.2	490.0	368.3	247.0	69.0	3.1	0.0
36°	702.7	697.8	679.2	639.6	568.2	466.7	342.0	224.0	56.8	2.4	0.0
37°	692.9	686.0	667.2	617.8	536.9	433.8	312.0	198.6	47.6	1.8	0.0
38°	679.8	670.4	646.6	592.5	505.5	403.0	283.8	175.8	40.0	1.2	0.0
39°	659.6	648.6	616.1	557.8	469.2	367.3	251.5	151.5	34.1	0.8	0.0
40°	629.4	619.0	583.1	516.5	433.0	327.9	218.4	124.1	29.0	0.4	0.0
42.5°	524.1	509.8	468.1	402.0	320.1	235.8	144.5	69.0	19.2	0.0	0.0
45°	389.9	377.3	336.4	276.2	213.3	144.3	77.4	40.6	11.8	0.0	0.0
47.5°	220.3	218.9	192.3	158.6	119.0	76.8	39.2	24.5	5.1	0.0	0.0
50°	118.4	111.1	95.7	72.7	49.6	33.5	21.2	13.5	1.0	0.0	0.0
52.5°	43.3	41.9	35.1	29.2	22.5	15.3	10.8	5.9	0.0	0.0	0.0
55°	5.7	5.3	5.5	5.9	6.1	5.3	3.5	1.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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):

	112.5°	135°	157.5°	180°
0°	16.1	16.1	16.1	16.1
2.5°	12.5	9.6	8.2	8.0
5°	8.6	5.3	3.9	3.7
7.5°	5.9	2.7	1.8	1.6
10°	3.5	1.2	0.6	0.4
12.5°	2.0	0.2	0.0	0.0
15°	0.6	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	*0.0*	*0.0*	*0.0*	*0.0*
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)