

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: P1321038

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321038
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: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

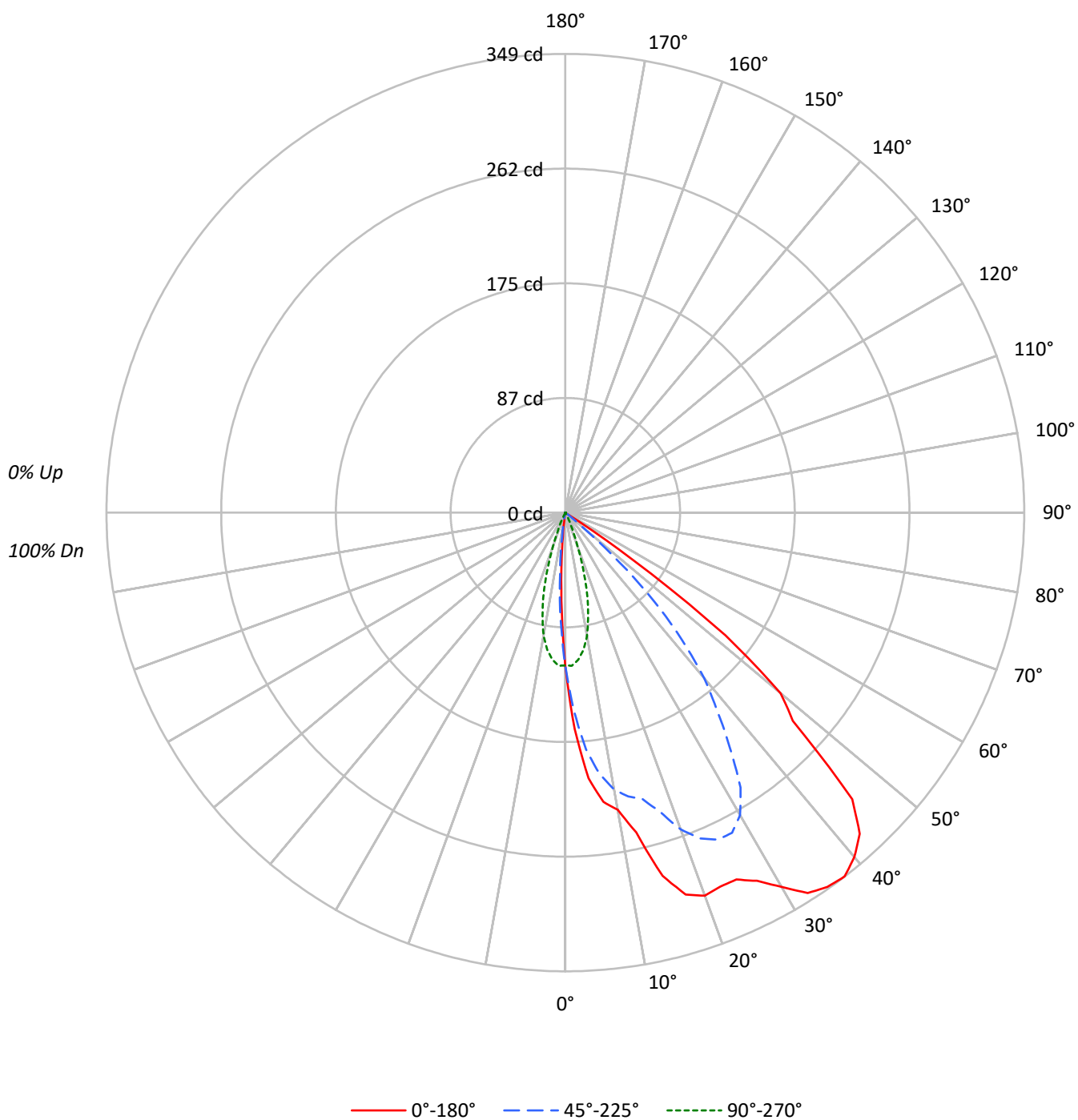
Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1321038

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1321038

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20012	20012	20012	20012	20012
5°	35077	31257	19414	8074	4650
10°	40135	37424	16614	892	315
15°	51011	40171	11375	178	107
20°	56834	46992	5003	0	0
25°	58509	52143	1425	0	0
30°	65367	52839	199	0	0
35°	73060	45875	0	0	0
40°	76866	36938	0	0	0
45°	75138	23333	0	0	0
50°	57230	4769	0	0	0
55°	18736	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75138 cd/sqm

TEST NUMBER: P1321038

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	4.9
10°-20°	31.1	14.5
20°-30°	50.6	23.5
30°-40°	60.1	28.0
40°-50°	49.2	22.9
50°-60°	13.0	6.1
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.2	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°	92.3	42.9
0°-40°	152.4	70.9
0°-60°	214.6	99.8
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	116	116	116	116	116	
5°	203	181	112	47	27	20
15°	286	225	64	1	1	80
25°	308	274	8	0	0	145
35°	348	218	0	0	0	216
45°	308	96	0	0	0	221
55°	62	0	0	0	0	70
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	

TEST NUMBER: P1321038

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	164.9	163.7	163.9	163.3	163.9	161.2	158.4	155.8	153.8	150.9	133.8
5°	202.9	200.8	200.2	199.4	198.6	195.4	192.8	189.5	185.7	180.8	149.3
7.5°	222.0	220.4	219.6	220.0	218.2	217.0	213.6	209.9	205.9	200.6	161.0
10°	229.5	227.9	227.7	227.5	227.3	226.5	224.9	221.6	218.0	214.0	167.7
12.5°	249.1	245.5	243.1	240.2	236.8	232.4	228.7	225.9	224.5	221.2	170.7
15°	286.1	282.7	280.0	276.4	269.9	260.4	251.7	240.6	230.9	225.3	169.5
17.5°	304.7	303.1	300.8	298.4	294.0	287.1	278.2	266.5	254.2	238.2	163.7
20°	310.1	309.3	307.7	306.7	303.7	298.8	292.8	283.7	272.2	256.4	154.6
22.5°	307.9	308.5	309.3	312.0	312.4	308.9	303.3	294.6	282.9	268.3	140.6
25°	307.9	307.5	307.5	313.0	316.4	314.8	310.7	302.9	290.9	274.4	123.5
27.5°	315.8	313.4	308.3	314.0	319.6	319.0	315.4	306.1	292.8	274.6	102.4
30°	328.7	323.5	315.2	320.4	325.7	323.5	317.6	305.7	288.7	265.7	76.8
32.5°	343.1	340.7	336.4	339.8	339.0	330.1	319.6	303.1	280.4	247.9	51.7
35°	347.5	347.9	345.1	344.5	339.8	330.7	319.6	295.6	263.1	218.2	30.7
37.5°	348.9	349.1	344.7	339.0	332.2	321.5	308.1	280.2	230.9	189.5	16.4
40°	341.9	341.7	334.4	327.5	319.8	309.3	289.9	247.9	200.4	164.3	5.9
42.5°	331.4	328.7	321.9	313.4	304.1	290.9	260.6	209.3	174.2	131.5	0.4
45°	308.5	306.1	300.6	291.6	281.2	262.7	214.8	179.8	141.6	95.8	0.0
47.5°	234.6	233.4	239.0	240.2	240.0	218.8	179.2	146.7	104.1	55.8	0.0
50°	213.6	211.9	206.3	199.0	186.1	168.3	143.7	108.7	61.0	17.8	0.0
52.5°	153.4	158.6	159.8	154.4	142.2	124.7	99.0	62.6	21.2	0.0	0.0
55°	62.4	59.2	61.6	64.7	67.1	61.6	45.7	22.2	0.2	0.0	0.0
57.5°	0.0	0.2	1.2	2.8	4.6	5.9	6.3	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	0.2
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	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1321038

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_4000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	116.2	116.2	116.2	116.2	116.2
2.5°	116.6	98.6	81.2	71.7	67.1
5°	112.3	75.4	46.7	32.3	26.9
7.5°	105.3	51.7	18.6	7.7	5.5
10°	95.0	29.7	5.1	2.0	1.8
12.5°	80.2	13.5	1.8	1.4	1.4
15°	63.8	4.6	1.0	0.8	0.6
17.5°	44.9	1.2	0.4	0.0	0.0
20°	27.3	0.2	0.0	0.0	0.0
22.5°	15.2	0.0	0.0	0.0	0.0
25°	7.5	0.0	0.0	0.0	0.0
27.5°	3.2	0.0	0.0	0.0	0.0
30°	1.0	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°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)