

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P298270

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2404.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

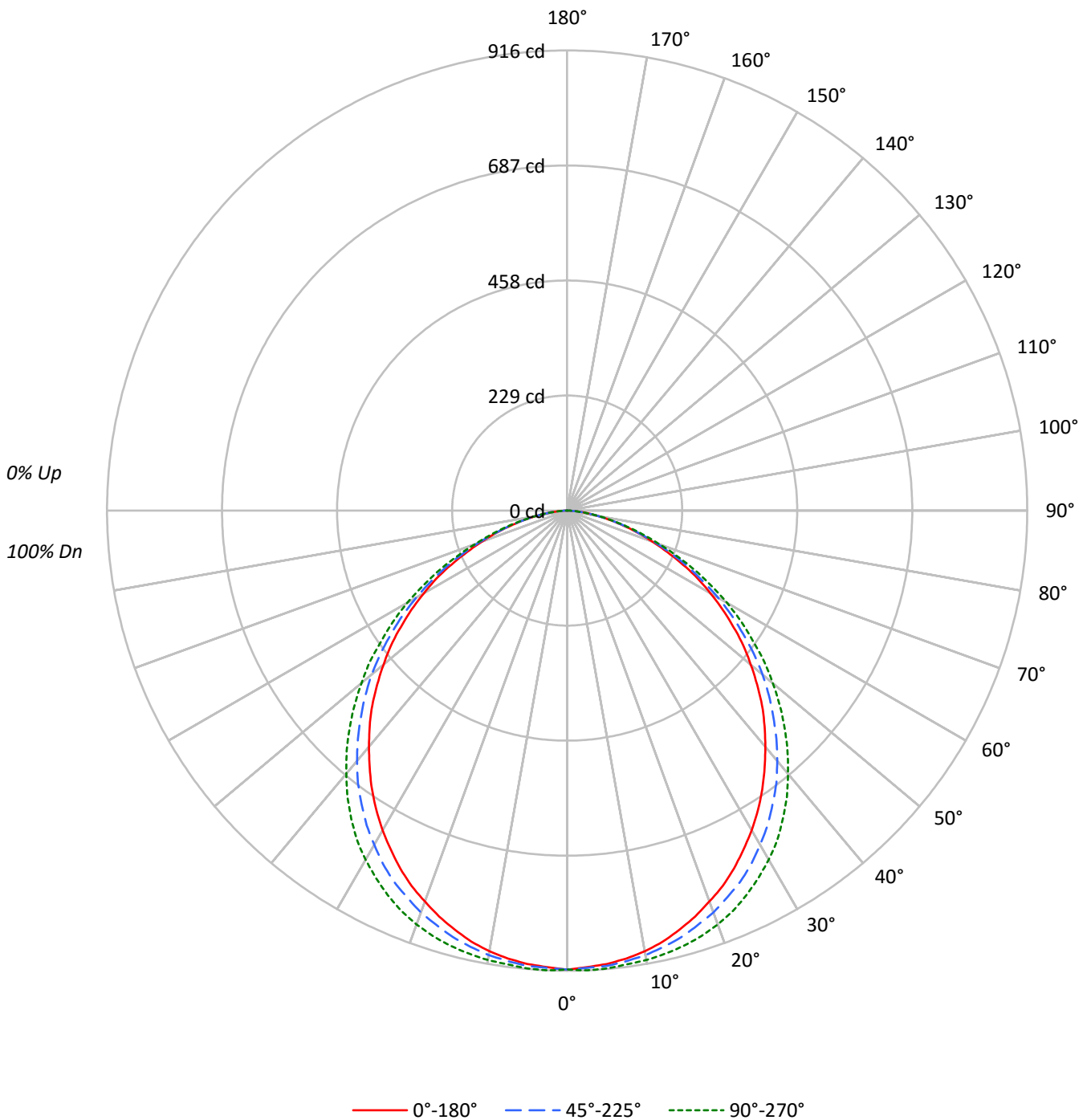
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2458	2458	2458
5°	2447	2457	2471
10°	2434	2455	2482
15°	2406	2449	2499
20°	2371	2437	2510
25°	2334	2421	2508
30°	2284	2387	2494
35°	2226	2343	2461
40°	2156	2286	2402
45°	2088	2210	2331
50°	1998	2126	2238
55°	1898	2005	2113
60°	1772	1868	1978
65°	1617	1690	1787
70°	1415	1476	1536
75°	1207	1234	1287
80°	969	989	1009
85°	710	670	630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	3.6
10°-20°	248.2	10.3
20°-30°	375.2	15.6
30°-40°	445.7	18.5
40°-50°	447.4	18.6
50°-60°	382.2	15.9
60°-70°	263.3	11.0
70°-80°	127.7	5.3
80°-90°	27.9	1.2
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°	709.9	29.5
0°-40°	1155.5	48.1
0°-60°	1985.1	82.6
0°-90°	2404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2404.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	906	906	910	912	915	86
15°	864	868	879	891	897	244
25°	786	792	815	837	845	362
35°	678	688	713	740	749	423
45°	549	556	581	605	612	422
55°	404	411	427	445	450	362
65°	254	254	265	277	281	252
75°	116	114	119	121	124	125
85°	23	23	22	20	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	913.6	913.6	913.6	913.6	913.6
2.5°	909.7	909.7	911.0	914.9	916.1
5°	905.9	905.9	909.7	912.3	914.9
7.5°	899.5	900.8	904.6	909.7	911.0
10°	890.6	891.9	898.3	904.6	908.5
12.5°	879.1	881.7	889.3	899.5	903.4
15°	863.8	867.6	879.1	890.6	897.0
17.5°	847.2	852.3	865.1	881.7	888.1
20°	828.1	834.5	851.1	868.9	876.6
22.5°	808.9	814.1	833.2	853.6	862.5
25°	786.0	792.4	815.3	837.0	844.7
27.5°	760.5	769.4	793.6	816.6	824.3
30°	734.9	742.6	768.1	793.6	802.6
32.5°	706.9	714.5	742.6	768.1	778.3
35°	677.5	687.7	713.3	740.0	749.0
37.5°	645.6	657.1	683.9	706.9	718.4
40°	613.7	623.9	650.7	675.0	683.9
42.5°	581.8	590.8	616.3	641.8	649.5
45°	548.7	556.3	580.6	604.8	612.5
47.5°	512.9	521.9	544.8	565.2	574.2
50°	477.2	486.1	507.8	527.0	534.6
52.5°	442.8	447.9	468.3	486.1	495.1
55°	404.5	410.9	427.4	445.3	450.4
57.5°	367.5	371.3	387.9	403.2	410.9
60°	329.2	331.7	347.1	358.5	367.5
62.5°	293.5	293.5	305.0	317.7	322.8
65°	253.9	253.9	265.4	276.9	280.7
67.5°	215.6	218.2	225.8	234.8	237.3
70°	179.9	179.9	187.6	193.9	195.2
72.5°	148.0	146.7	150.6	155.7	158.2
75°	116.1	113.6	118.7	121.2	123.8
77.5°	88.0	86.8	89.3	91.9	91.9
80°	62.5	61.2	63.8	63.8	65.1
82.5°	40.8	42.1	42.1	40.8	39.6
85°	23.0	23.0	21.7	20.4	20.4
87.5°	7.7	7.7	7.7	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)