

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: P298232

Luminaire Tested: **D3X-WG-31L93050-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298232
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-31L93050-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2508.0 lumens
Efficiency: N/A
Efficacy: 100.7 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

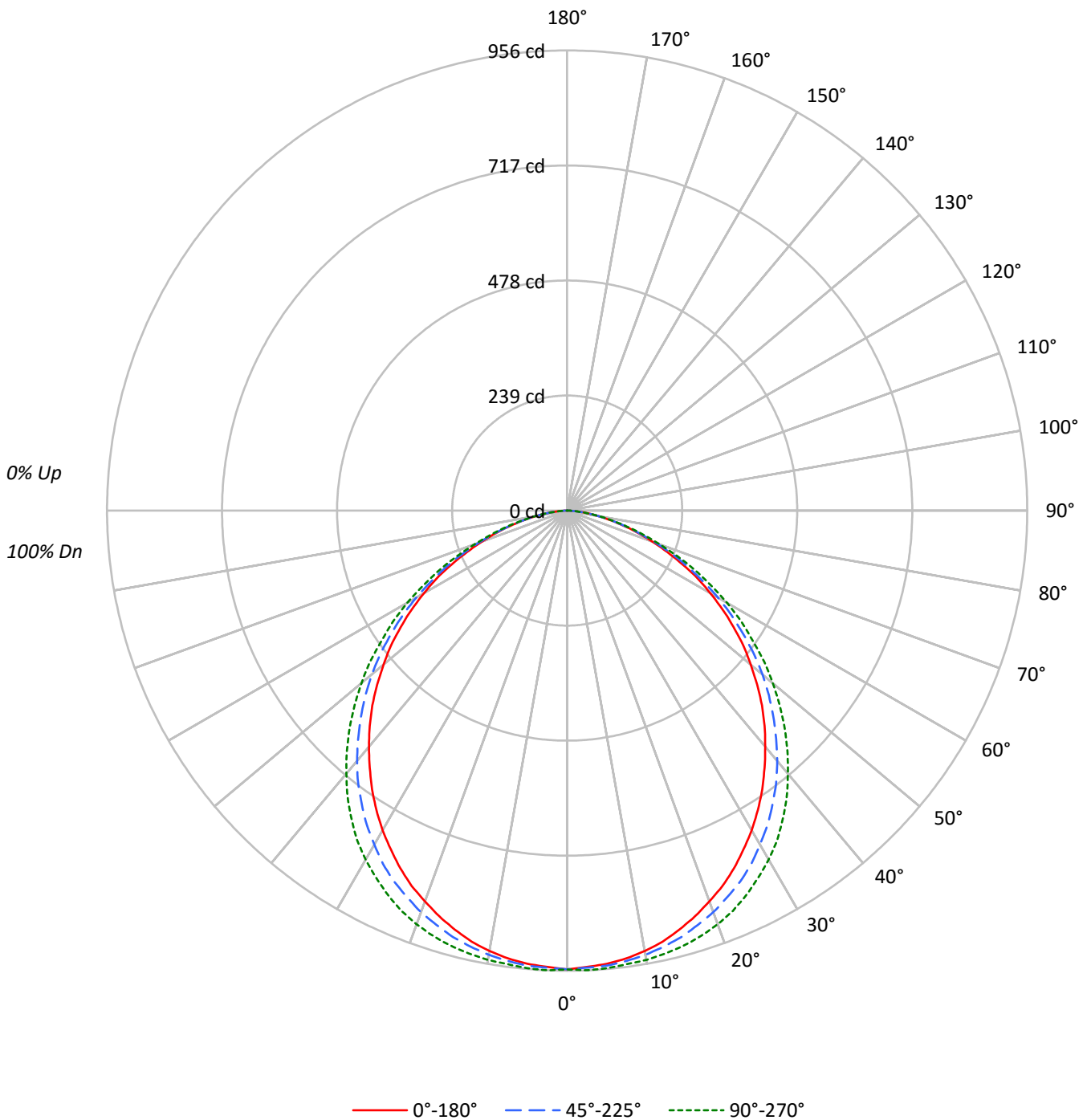
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2565	2565	2565
5°	2553	2564	2578
10°	2539	2561	2590
15°	2511	2555	2607
20°	2474	2543	2619
25°	2435	2526	2616
30°	2382	2490	2602
35°	2322	2444	2567
40°	2249	2385	2506
45°	2178	2305	2431
50°	2084	2218	2335
55°	1980	2092	2205
60°	1848	1949	2063
65°	1687	1763	1865
70°	1477	1540	1603
75°	1259	1287	1342
80°	1010	1032	1052
85°	741	698	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.6
10°-20°	258.9	10.3
20°-30°	391.4	15.6
30°-40°	464.9	18.5
40°-50°	466.8	18.6
50°-60°	398.7	15.9
60°-70°	274.7	11.0
70°-80°	133.2	5.3
80°-90°	29.1	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°	740.6	29.5
0°-40°	1205.5	48.1
0°-60°	2071.0	82.6
0°-90°	2508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	945	949	952	954	90
15°	901	905	917	929	936	254
25°	820	827	851	873	881	377
35°	707	718	744	772	781	442
45°	572	580	606	631	639	441
55°	422	429	446	465	470	377
65°	265	265	277	289	293	262
75°	121	118	124	126	129	130
85°	24	24	23	21	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.1	953.1	953.1	953.1	953.1
2.5°	949.1	949.1	950.4	954.4	955.8
5°	945.1	945.1	949.1	951.8	954.4
7.5°	938.5	939.8	943.8	949.1	950.4
10°	929.1	930.5	937.1	943.8	947.8
12.5°	917.2	919.8	927.8	938.5	942.4
15°	901.2	905.2	917.2	929.1	935.8
17.5°	883.9	889.2	902.5	919.8	926.5
20°	863.9	870.6	887.9	906.5	914.5
22.5°	843.9	849.3	869.2	890.5	899.9
25°	820.0	826.6	850.6	873.2	881.2
27.5°	793.4	802.7	828.0	851.9	859.9
30°	766.7	774.7	801.3	828.0	837.3
32.5°	737.5	745.4	774.7	801.3	812.0
35°	706.8	717.5	744.1	772.1	781.4
37.5°	673.6	685.5	713.5	737.5	749.4
40°	640.3	650.9	678.9	704.2	713.5
42.5°	607.0	616.3	642.9	669.6	677.6
45°	572.4	580.4	605.7	631.0	638.9
47.5°	535.1	544.4	568.4	589.7	599.0
50°	497.8	507.2	529.8	549.8	557.7
52.5°	461.9	467.2	488.5	507.2	516.5
55°	422.0	428.6	445.9	464.6	469.9
57.5°	383.4	387.4	404.7	420.6	428.6
60°	343.4	346.1	362.1	374.1	383.4
62.5°	306.2	306.2	318.1	331.5	336.8
65°	264.9	264.9	276.9	288.9	292.9
67.5°	225.0	227.6	235.6	244.9	247.6
70°	187.7	187.7	195.7	202.3	203.7
72.5°	154.4	153.1	157.1	162.4	165.1
75°	121.1	118.5	123.8	126.5	129.1
77.5°	91.8	90.5	93.2	95.8	95.8
80°	65.2	63.9	66.6	66.6	67.9
82.5°	42.6	43.9	43.9	42.6	41.3
85°	24.0	24.0	22.6	21.3	21.3
87.5°	8.0	8.0	8.0	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)