

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: P297263

Luminaire Tested: **D3X-WG-80L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6697.0 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

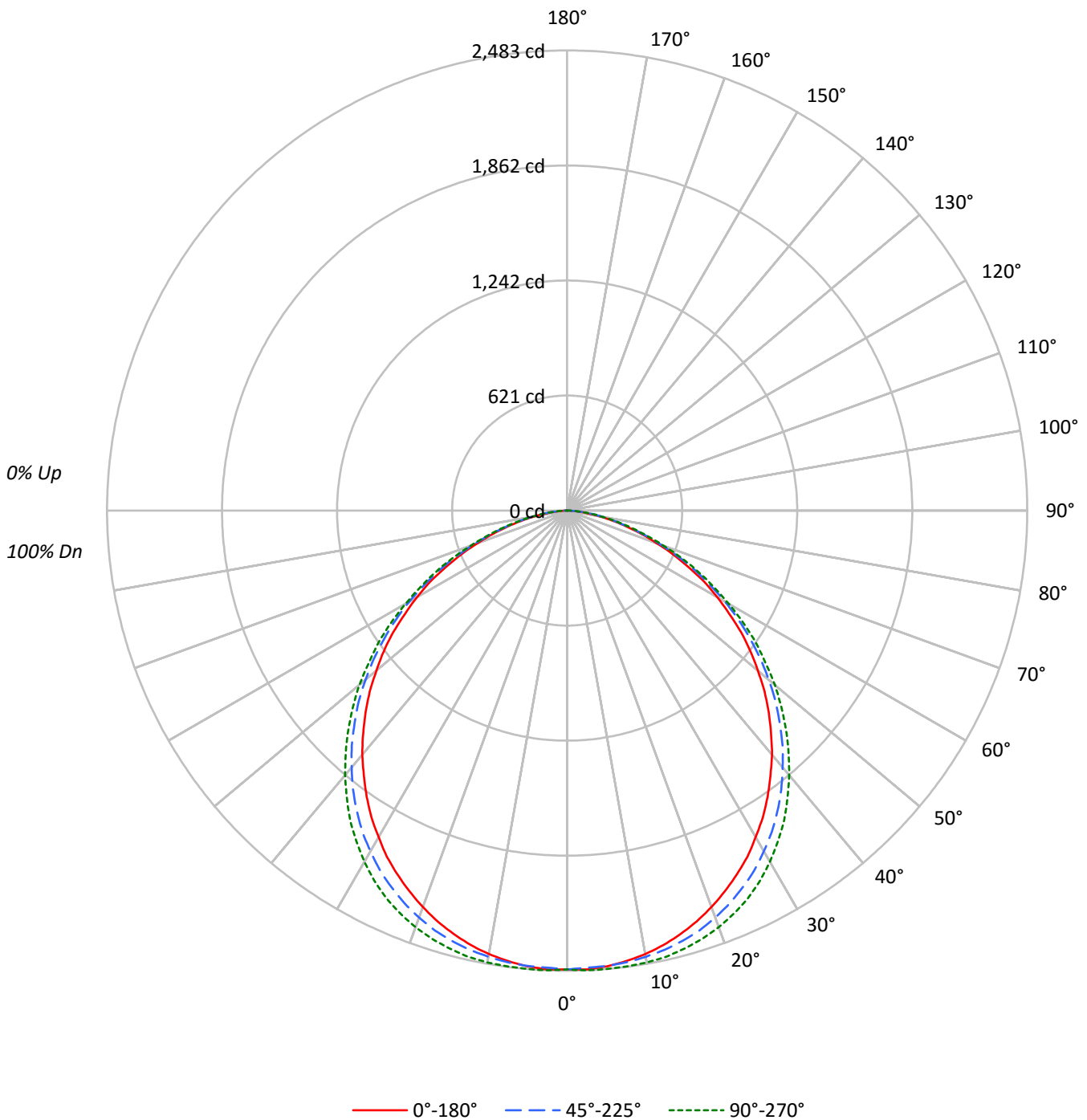
Input Watts (W): 61.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3331	3331	3331
5°	3334	3331	3353
10°	3320	3340	3382
15°	3295	3348	3409
20°	3260	3346	3425
25°	3216	3330	3426
30°	3161	3299	3399
35°	3097	3251	3353
40°	3021	3177	3274
45°	2926	3086	3177
50°	2812	2973	3063
55°	2690	2825	2915
60°	2518	2647	2711
65°	2299	2421	2482
70°	2020	2124	2180
75°	1709	1796	1858
80°	1357	1487	1524
85°	926	1112	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.2	3.5
10°-20°	679.1	10.1
20°-30°	1032.1	15.4
30°-40°	1231.5	18.4
40°-50°	1243.8	18.6
50°-60°	1071.6	16.0
60°-70°	747.0	11.2
70°-80°	370.2	5.5
80°-90°	86.3	1.3
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°	1946.5	29.1
0°-40°	3178.0	47.5
0°-60°	5493.4	82.0
0°-90°	6697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2476	2476	2476	2476	2476	
5°	2468	2466	2466	2478	2483	234
15°	2365	2377	2404	2435	2447	667
25°	2166	2195	2243	2289	2308	998
35°	1886	1917	1979	2025	2042	1179
45°	1538	1571	1622	1660	1670	1185
55°	1147	1171	1204	1233	1243	1022
65°	722	736	760	768	780	717
75°	329	334	346	353	357	354
85°	60	72	72	67	70	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2475.7	2475.7	2475.7	2475.7	2475.7
2.5°	2478.1	2473.3	2468.5	2478.1	2482.9
5°	2468.5	2466.1	2466.1	2478.1	2482.9
7.5°	2451.7	2451.7	2458.9	2475.7	2480.5
10°	2430.2	2435.0	2444.6	2468.5	2475.7
12.5°	2401.4	2411.0	2427.8	2456.5	2466.1
15°	2365.4	2377.4	2403.8	2435.0	2447.0
17.5°	2324.6	2341.4	2375.0	2411.0	2423.0
20°	2276.6	2298.2	2336.6	2377.4	2391.8
22.5°	2223.8	2250.2	2293.4	2336.6	2353.4
25°	2166.3	2195.1	2243.0	2288.6	2307.8
27.5°	2106.3	2135.1	2187.9	2233.4	2252.6
30°	2034.3	2067.9	2123.1	2171.1	2187.9
32.5°	1964.8	1998.3	2055.9	2099.1	2115.9
35°	1885.6	1916.8	1979.2	2024.7	2041.5
37.5°	1801.6	1837.6	1897.6	1938.4	1952.8
40°	1720.1	1751.2	1808.8	1849.6	1864.0
42.5°	1628.9	1662.5	1720.1	1756.0	1768.0
45°	1537.7	1571.3	1621.7	1660.1	1669.7
47.5°	1444.2	1475.4	1525.7	1556.9	1566.5
50°	1343.4	1372.2	1420.2	1451.4	1463.4
52.5°	1247.5	1273.9	1314.6	1341.0	1348.2
55°	1146.7	1170.7	1204.3	1233.1	1242.7
57.5°	1038.8	1065.1	1096.3	1120.3	1127.5
60°	935.6	957.2	983.6	1005.2	1007.6
62.5°	834.8	844.4	868.4	887.6	890.0
65°	722.1	736.5	760.5	767.7	779.7
67.5°	618.9	628.5	647.7	657.3	666.9
70°	513.4	520.6	539.8	551.8	554.2
72.5°	422.2	424.6	439.0	448.6	451.0
75°	328.7	333.5	345.5	352.6	357.4
77.5°	249.5	254.3	263.9	268.7	268.7
80°	175.1	182.3	191.9	194.3	196.7
82.5°	112.8	122.3	129.5	131.9	127.1
85°	60.0	72.0	72.0	67.2	69.6
87.5°	21.6	26.4	28.8	31.2	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)