

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: P297385

Luminaire Tested: **D3X-WO-67L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-67L82765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6685.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

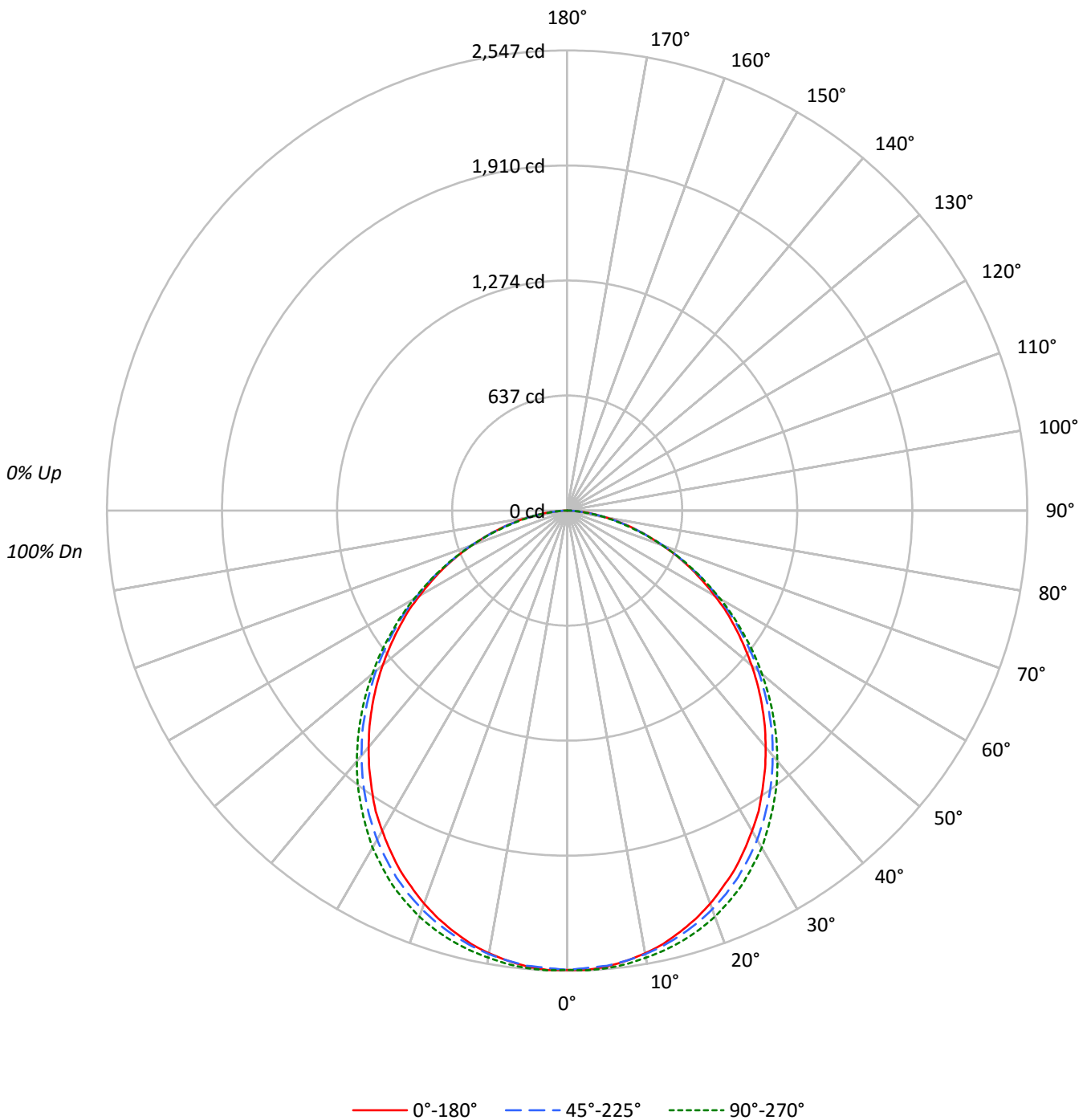
Input Watts (W): 49.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3421	3421	3421
5°	3422	3416	3434
10°	3400	3406	3434
15°	3363	3388	3435
20°	3315	3363	3424
25°	3256	3323	3397
30°	3180	3268	3348
35°	3096	3196	3270
40°	3002	3109	3180
45°	2901	3008	3072
50°	2790	2894	2946
55°	2673	2757	2800
60°	2539	2606	2636
65°	2394	2430	2445
70°	2197	2223	2197
75°	1979	1967	1908
80°	1675	1657	1605
85°	1252	1216	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	3.6
10°-20°	687.6	10.3
20°-30°	1031.0	15.4
30°-40°	1214.2	18.2
40°-50°	1214.4	18.2
50°-60°	1047.8	15.7
60°-70°	754.0	11.3
70°-80°	399.9	6.0
80°-90°	95.4	1.4
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°	1959.4	29.3
0°-40°	3173.6	47.5
0°-60°	5435.7	81.3
0°-90°	6685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2542	2542	2542	2542	2542	
5°	2533	2531	2529	2538	2542	240
15°	2414	2421	2432	2457	2466	681
25°	2193	2207	2238	2277	2288	1009
35°	1885	1907	1946	1979	1991	1179
45°	1525	1545	1581	1608	1615	1176
55°	1140	1151	1176	1196	1194	1020
65°	752	754	763	768	768	744
75°	381	376	378	369	367	405
85°	81	81	79	72	70	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2542.4	2542.4	2542.4	2542.4	2542.4
2.5°	2544.7	2540.2	2533.4	2542.4	2546.9
5°	2533.4	2531.2	2528.9	2537.9	2542.4
7.5°	2513.2	2515.4	2513.2	2526.7	2531.2
10°	2488.4	2490.6	2492.9	2508.7	2513.2
12.5°	2456.9	2459.1	2465.9	2486.1	2492.9
15°	2414.1	2420.8	2432.1	2456.9	2465.9
17.5°	2369.0	2378.0	2393.8	2423.1	2432.1
20°	2315.0	2326.2	2348.8	2380.3	2391.5
22.5°	2254.2	2265.4	2297.0	2330.7	2342.0
25°	2193.4	2206.9	2238.4	2276.7	2288.0
27.5°	2121.3	2139.3	2173.1	2211.4	2220.4
30°	2047.0	2062.8	2103.3	2139.3	2155.1
32.5°	1972.7	1988.5	2026.7	2062.8	2074.0
35°	1884.9	1907.4	1945.7	1979.4	1990.7
37.5°	1799.3	1819.6	1860.1	1893.9	1905.1
40°	1709.2	1727.2	1770.0	1801.5	1810.6
42.5°	1619.1	1637.2	1679.9	1704.7	1713.7
45°	1524.6	1544.8	1580.9	1607.9	1614.6
47.5°	1430.0	1445.7	1479.5	1504.3	1513.3
50°	1333.1	1348.9	1382.7	1403.0	1407.5
52.5°	1236.3	1247.6	1279.1	1297.1	1303.9
55°	1139.5	1150.7	1175.5	1195.8	1193.5
57.5°	1047.1	1051.7	1076.4	1089.9	1089.9
60°	943.6	948.1	968.3	977.3	979.6
62.5°	846.7	853.5	869.2	871.5	871.5
65°	752.1	754.4	763.4	767.9	767.9
67.5°	657.6	655.3	664.3	664.3	662.1
70°	558.5	563.0	565.2	560.7	558.5
72.5°	468.4	466.1	466.1	463.9	463.9
75°	380.6	376.1	378.3	369.3	367.1
77.5°	299.5	292.8	290.5	286.0	281.5
80°	216.2	216.2	213.9	209.4	207.2
82.5°	144.1	144.1	141.9	137.4	132.9
85°	81.1	81.1	78.8	72.1	69.8
87.5°	27.0	27.0	27.0	27.0	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)