

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: P297264

Luminaire Tested: **D3X-WG-80L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297264
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-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6870.0 lumens
Efficiency: N/A
Efficacy: 111.2 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

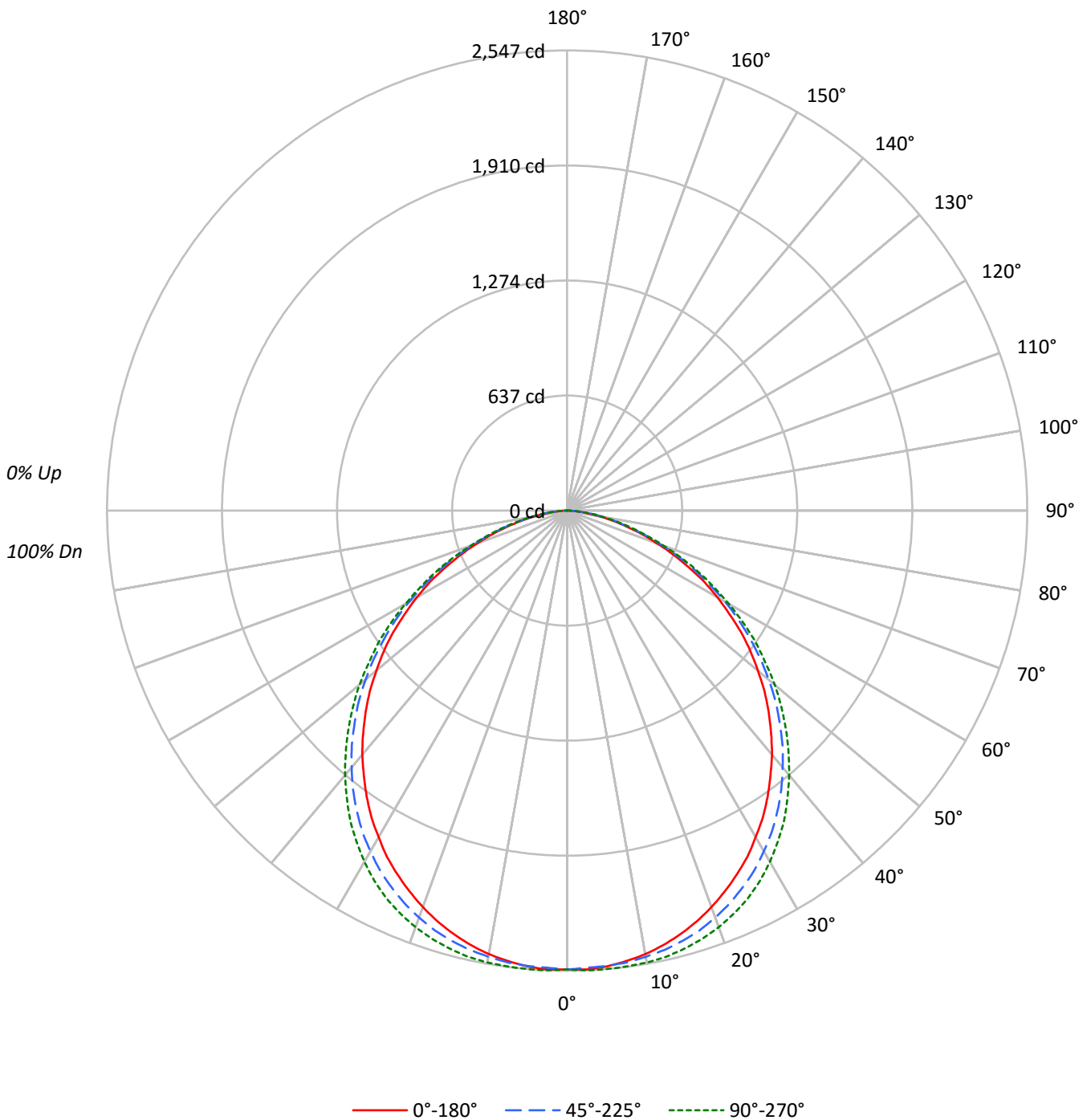
Input Watts (W): 61.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3417	3417	3417
5°	3420	3417	3440
10°	3406	3426	3470
15°	3380	3435	3497
20°	3344	3432	3513
25°	3299	3416	3515
30°	3242	3384	3487
35°	3177	3335	3440
40°	3099	3259	3359
45°	3002	3166	3259
50°	2885	3050	3142
55°	2759	2898	2990
60°	2583	2715	2781
65°	2358	2484	2546
70°	2072	2178	2236
75°	1752	1842	1906
80°	1392	1526	1564
85°	949	1139	1102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	3.5
10°-20°	696.7	10.1
20°-30°	1058.7	15.4
30°-40°	1263.3	18.4
40°-50°	1276.0	18.6
50°-60°	1099.3	16.0
60°-70°	766.3	11.2
70°-80°	379.8	5.5
80°-90°	88.6	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°	1996.7	29.1
0°-40°	3260.1	47.5
0°-60°	5635.4	82.0
0°-90°	6870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2540	2540	2540	2540	2540	
5°	2532	2530	2530	2542	2547	240
15°	2426	2439	2466	2498	2510	684
25°	2222	2252	2301	2348	2367	1024
35°	1934	1966	2030	2077	2094	1209
45°	1578	1612	1664	1703	1713	1216
55°	1176	1201	1235	1265	1275	1048
65°	741	756	780	788	800	736
75°	337	342	354	362	367	363
85°	62	74	74	69	71	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2539.7	2539.7	2539.7	2539.7	2539.7
2.5°	2542.2	2537.2	2532.3	2542.2	2547.1
5°	2532.3	2529.8	2529.8	2542.2	2547.1
7.5°	2515.1	2515.1	2522.5	2539.7	2544.6
10°	2492.9	2497.9	2507.7	2532.3	2539.7
12.5°	2463.4	2473.2	2490.5	2520.0	2529.8
15°	2426.5	2438.8	2465.9	2497.9	2510.2
17.5°	2384.7	2401.9	2436.3	2473.2	2485.6
20°	2335.4	2357.6	2397.0	2438.8	2453.6
22.5°	2281.3	2308.4	2352.7	2397.0	2414.2
25°	2222.2	2251.8	2301.0	2347.7	2367.4
27.5°	2160.7	2190.2	2244.4	2291.1	2310.8
30°	2086.9	2121.3	2177.9	2227.2	2244.4
32.5°	2015.5	2050.0	2109.0	2153.3	2170.6
35°	1934.3	1966.3	2030.3	2077.0	2094.3
37.5°	1848.2	1885.1	1946.6	1988.4	2003.2
40°	1764.5	1796.5	1855.6	1897.4	1912.2
42.5°	1671.0	1705.4	1764.5	1801.4	1813.7
45°	1577.5	1611.9	1663.6	1703.0	1712.8
47.5°	1481.5	1513.5	1565.2	1597.2	1607.0
50°	1378.1	1407.7	1456.9	1488.9	1501.2
52.5°	1279.7	1306.8	1348.6	1375.7	1383.1
55°	1176.3	1200.9	1235.4	1264.9	1274.8
57.5°	1065.6	1092.7	1124.7	1149.3	1156.6
60°	959.8	981.9	1009.0	1031.1	1033.6
62.5°	856.4	866.3	890.9	910.5	913.0
65°	740.7	755.5	780.1	787.5	799.8
67.5°	634.9	644.8	664.5	674.3	684.1
70°	526.6	534.0	553.7	566.0	568.5
72.5°	433.1	435.6	450.4	460.2	462.7
75°	337.1	342.1	354.4	361.8	366.7
77.5°	255.9	260.9	270.7	275.6	275.6
80°	179.6	187.0	196.9	199.3	201.8
82.5°	115.7	125.5	132.9	135.4	130.4
85°	61.5	73.8	73.8	68.9	71.4
87.5°	22.1	27.1	29.5	32.0	32.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)