

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: P297107

Luminaire Tested: **D3X-WG-67L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297107
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-67L82765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6484.0 lumens
Efficiency: N/A
Efficacy: 130.2 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

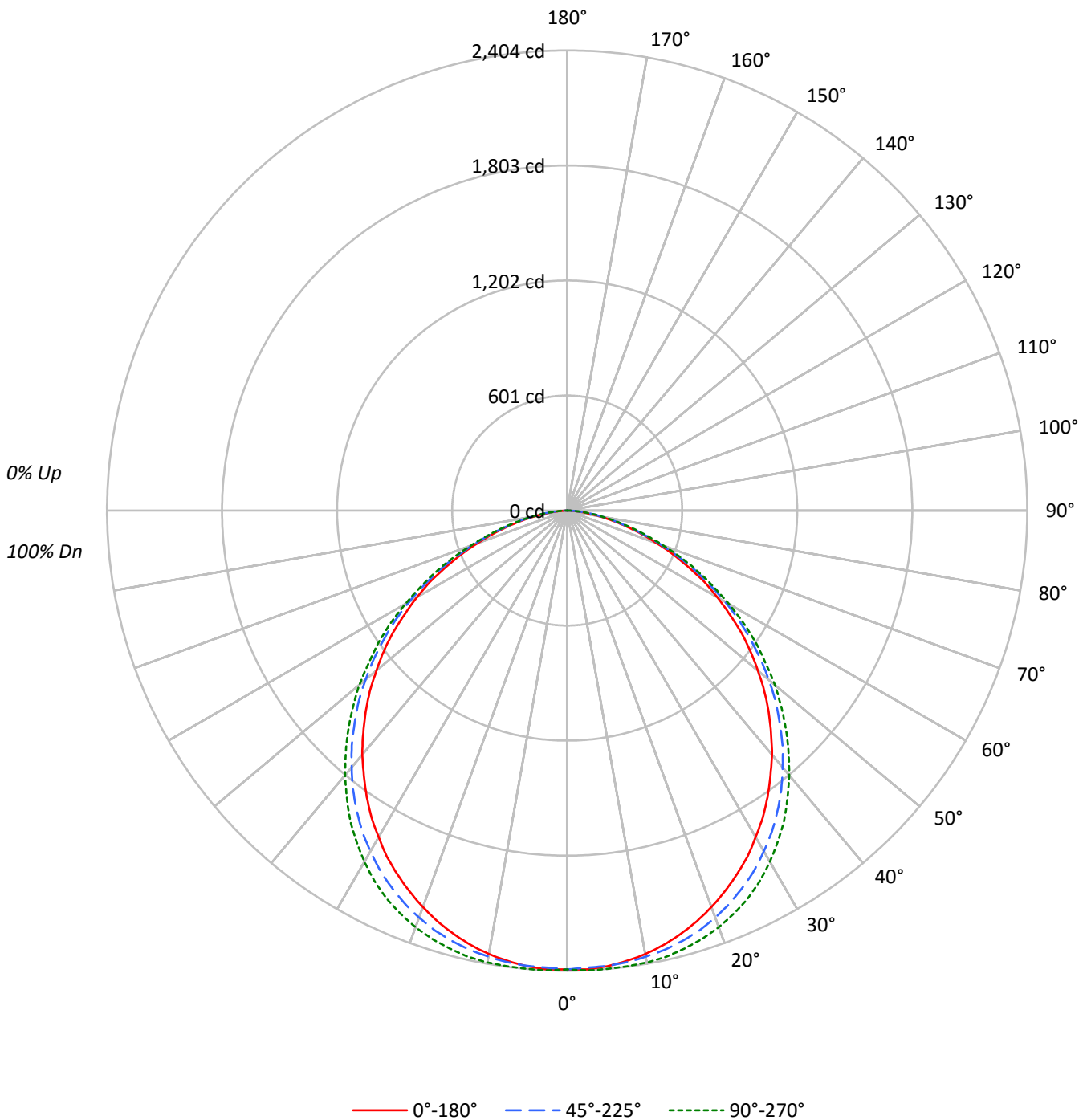
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3225	3225	3225
5°	3228	3225	3247
10°	3215	3234	3275
15°	3190	3242	3300
20°	3156	3239	3316
25°	3114	3224	3317
30°	3060	3194	3291
35°	2999	3147	3247
40°	2925	3076	3170
45°	2833	2988	3076
50°	2723	2878	2966
55°	2604	2735	2822
60°	2437	2563	2625
65°	2226	2344	2403
70°	1956	2056	2111
75°	1654	1739	1799
80°	1314	1440	1476
85°	897	1076	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.5
10°-20°	657.5	10.1
20°-30°	999.3	15.4
30°-40°	1192.4	18.4
40°-50°	1204.3	18.6
50°-60°	1037.5	16.0
60°-70°	723.3	11.2
70°-80°	358.4	5.5
80°-90°	83.6	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°	1884.6	29.1
0°-40°	3076.9	47.5
0°-60°	5318.7	82.0
0°-90°	6484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6484.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2397	2397	2397	2397	2397	
5°	2390	2388	2388	2399	2404	227
15°	2290	2302	2327	2358	2369	646
25°	2097	2125	2172	2216	2234	966
35°	1826	1856	1916	1960	1977	1141
45°	1489	1521	1570	1607	1617	1148
55°	1110	1134	1166	1194	1203	990
65°	699	713	736	743	755	694
75°	318	323	334	341	346	343
85°	58	70	70	65	67	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2397.0	2397.0	2397.0	2397.0	2397.0
2.5°	2399.3	2394.7	2390.0	2399.3	2404.0
5°	2390.0	2387.7	2387.7	2399.3	2404.0
7.5°	2373.8	2373.8	2380.7	2397.0	2401.6
10°	2352.9	2357.5	2366.8	2390.0	2397.0
12.5°	2325.0	2334.3	2350.5	2378.4	2387.7
15°	2290.2	2301.8	2327.3	2357.5	2369.1
17.5°	2250.7	2266.9	2299.4	2334.3	2345.9
20°	2204.2	2225.1	2262.3	2301.8	2315.7
22.5°	2153.1	2178.7	2220.5	2262.3	2278.5
25°	2097.4	2125.2	2171.7	2215.8	2234.4
27.5°	2039.3	2067.2	2118.3	2162.4	2181.0
30°	1969.6	2002.1	2055.6	2102.0	2118.3
32.5°	1902.3	1934.8	1990.5	2032.3	2048.6
35°	1825.6	1855.8	1916.2	1960.3	1976.6
37.5°	1744.3	1779.2	1837.2	1876.7	1890.7
40°	1665.4	1695.6	1751.3	1790.8	1804.7
42.5°	1577.1	1609.6	1665.4	1700.2	1711.8
45°	1488.8	1521.4	1570.1	1607.3	1616.6
47.5°	1398.2	1428.4	1477.2	1507.4	1516.7
50°	1300.7	1328.6	1375.0	1405.2	1416.8
52.5°	1207.8	1233.3	1272.8	1298.4	1305.3
55°	1110.2	1133.5	1166.0	1193.9	1203.1
57.5°	1005.7	1031.3	1061.5	1084.7	1091.7
60°	905.8	926.7	952.3	973.2	975.5
62.5°	808.3	817.6	840.8	859.4	861.7
65°	699.1	713.1	736.3	743.3	754.9
67.5°	599.2	608.5	627.1	636.4	645.7
70°	497.1	504.0	522.6	534.2	536.5
72.5°	408.8	411.1	425.0	434.3	436.7
75°	318.2	322.9	334.5	341.4	346.1
77.5°	241.6	246.2	255.5	260.1	260.1
80°	169.6	176.5	185.8	188.1	190.5
82.5°	109.2	118.5	125.4	127.7	123.1
85°	58.1	69.7	69.7	65.0	67.4
87.5°	20.9	25.5	27.9	30.2	30.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)