

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: P297248

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297248
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-67L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5911.0 lumens
Efficiency: N/A
Efficacy: 118.2 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

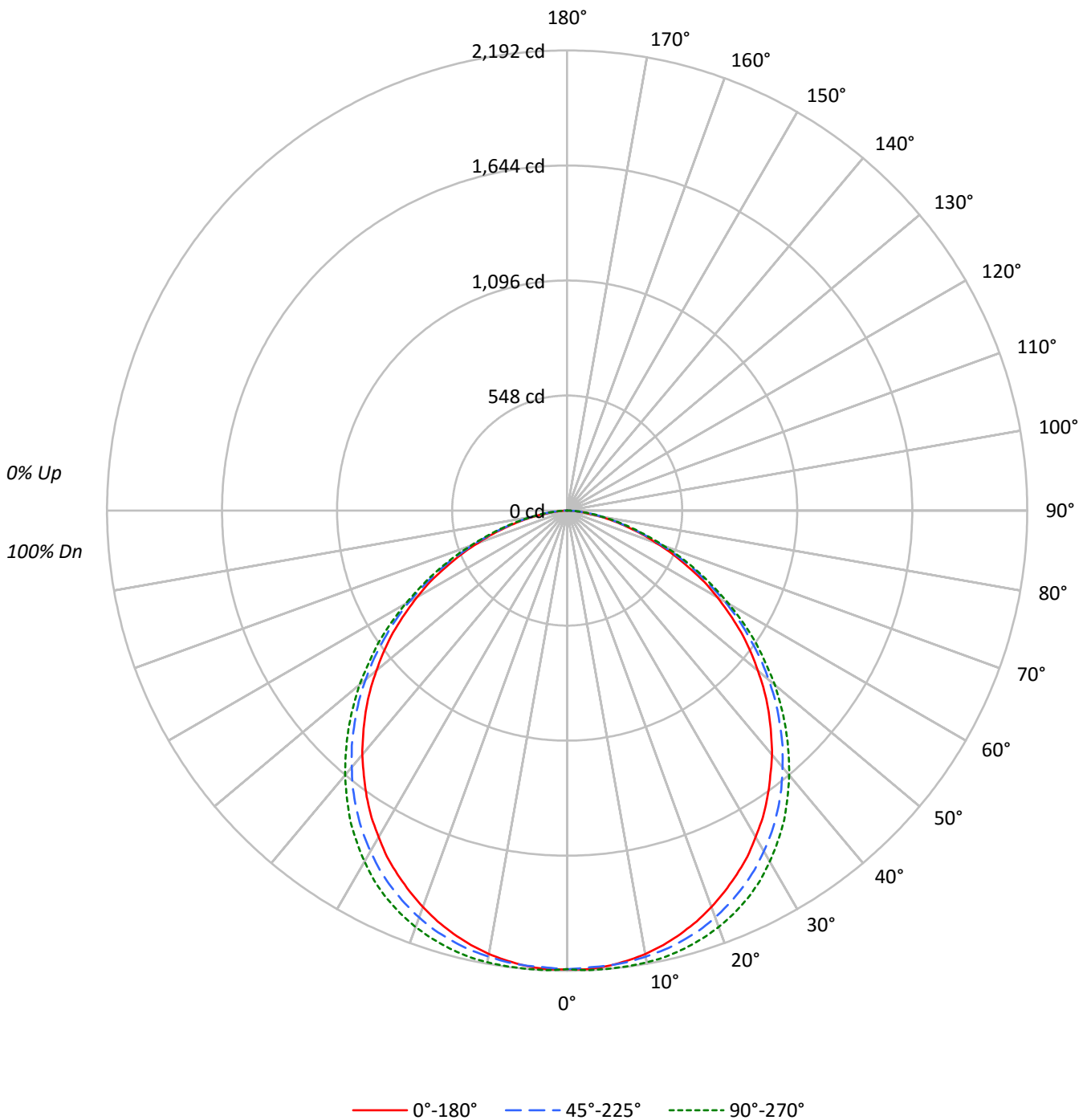
Input Watts (W): 50
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2940	2940	2940
5°	2943	2940	2960
10°	2930	2948	2986
15°	2908	2955	3009
20°	2877	2953	3023
25°	2839	2939	3024
30°	2790	2911	3000
35°	2734	2869	2960
40°	2667	2804	2890
45°	2583	2724	2804
50°	2482	2624	2704
55°	2374	2493	2573
60°	2222	2336	2393
65°	2029	2137	2191
70°	1782	1874	1924
75°	1508	1585	1640
80°	1198	1313	1345
85°	817	980	948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	3.5
10°-20°	599.4	10.1
20°-30°	911.0	15.4
30°-40°	1087.0	18.4
40°-50°	1097.8	18.6
50°-60°	945.8	16.0
60°-70°	659.4	11.2
70°-80°	326.8	5.5
80°-90°	76.2	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°	1718.0	29.1
0°-40°	2805.0	47.5
0°-60°	4848.7	82.0
0°-90°	5911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2185	2185	2185	2185	2185	
5°	2179	2177	2177	2187	2192	207
15°	2088	2098	2122	2149	2160	589
25°	1912	1937	1980	2020	2037	881
35°	1664	1692	1747	1787	1802	1040
45°	1357	1387	1431	1465	1474	1046
55°	1012	1033	1063	1088	1097	902
65°	637	650	671	678	688	633
75°	290	294	305	311	316	313
85°	53	64	64	59	61	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2185.2	2185.2	2185.2	2185.2	2185.2
2.5°	2187.3	2183.1	2178.8	2187.3	2191.5
5°	2178.8	2176.7	2176.7	2187.3	2191.5
7.5°	2164.0	2164.0	2170.3	2185.2	2189.4
10°	2144.9	2149.2	2157.6	2178.8	2185.2
12.5°	2119.5	2128.0	2142.8	2168.2	2176.7
15°	2087.8	2098.4	2121.6	2149.2	2159.8
17.5°	2051.8	2066.6	2096.2	2128.0	2138.6
20°	2009.4	2028.5	2062.4	2098.4	2111.1
22.5°	1962.8	1986.1	2024.2	2062.4	2077.2
25°	1912.0	1937.4	1979.8	2020.0	2037.0
27.5°	1859.1	1884.5	1931.1	1971.3	1988.3
30°	1795.6	1825.2	1873.9	1916.3	1931.1
32.5°	1734.2	1763.8	1814.6	1852.7	1867.6
35°	1664.3	1691.8	1746.9	1787.1	1801.9
37.5°	1590.2	1621.9	1674.9	1710.9	1723.6
40°	1518.2	1545.7	1596.5	1632.5	1645.2
42.5°	1437.7	1467.4	1518.2	1549.9	1560.5
45°	1357.3	1386.9	1431.4	1465.3	1473.7
47.5°	1274.7	1302.2	1346.7	1374.2	1382.7
50°	1185.8	1211.2	1253.5	1281.0	1291.6
52.5°	1101.1	1124.3	1160.3	1183.6	1190.0
55°	1012.1	1033.3	1062.9	1088.4	1096.8
57.5°	916.8	940.1	967.7	988.8	995.2
60°	825.8	844.8	868.1	887.2	889.3
62.5°	736.9	745.3	766.5	783.4	785.6
65°	637.3	650.0	671.2	677.6	688.2
67.5°	546.3	554.8	571.7	580.2	588.6
70°	453.1	459.5	476.4	487.0	489.1
72.5°	372.7	374.8	387.5	396.0	398.1
75°	290.1	294.3	304.9	311.3	315.5
77.5°	220.2	224.4	232.9	237.2	237.2
80°	154.6	160.9	169.4	171.5	173.6
82.5°	99.5	108.0	114.3	116.5	112.2
85°	52.9	63.5	63.5	59.3	61.4
87.5°	19.1	23.3	25.4	27.5	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)