

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: P297101

Luminaire Tested: **D3X-WG-60L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297101
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-60L82765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5921.0 lumens
Efficiency: N/A
Efficacy: 131.0 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

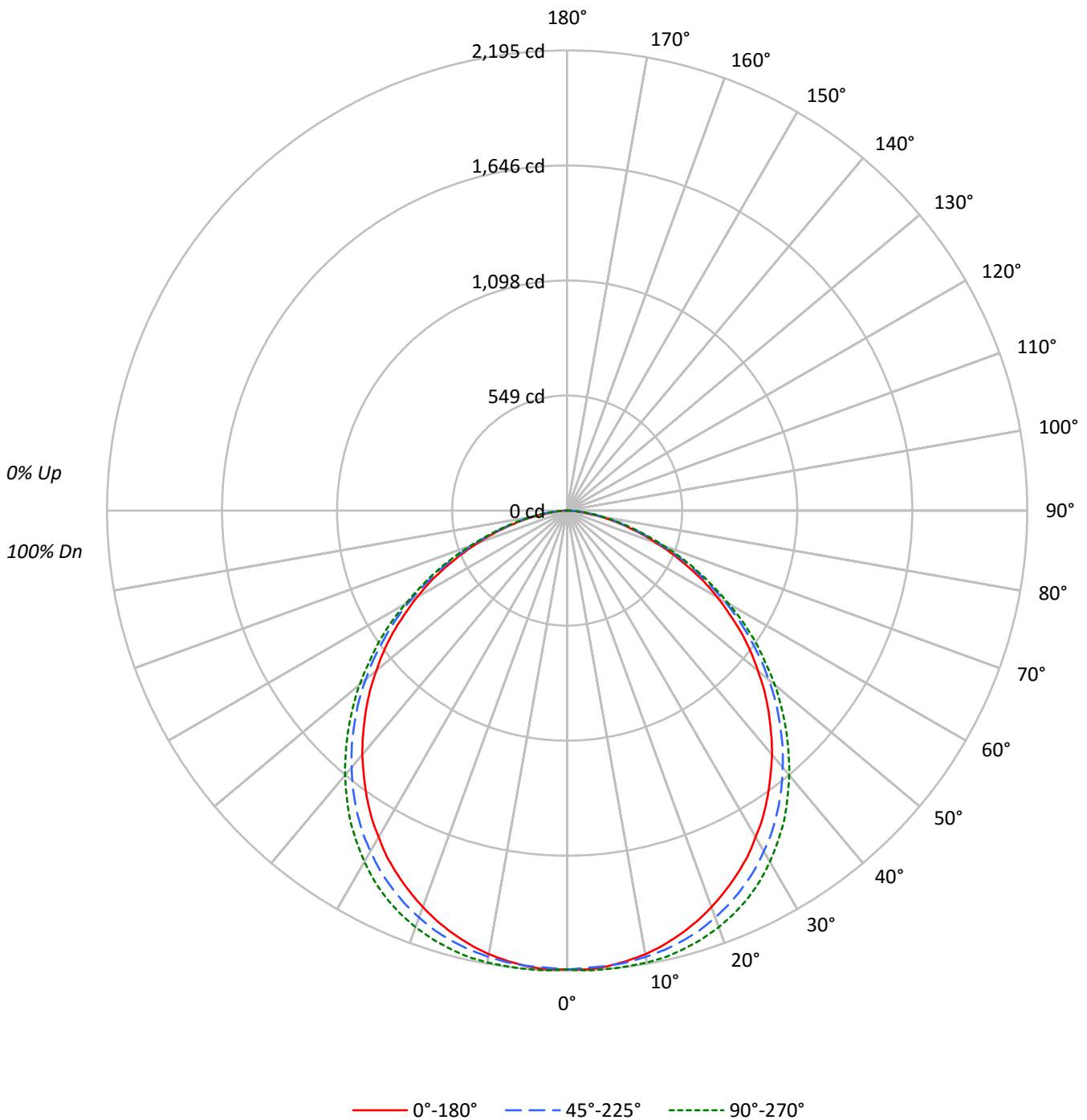
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2945	2945	2945
5°	2948	2945	2965
10°	2936	2953	2991
15°	2913	2960	3014
20°	2882	2958	3028
25°	2843	2944	3029
30°	2794	2916	3005
35°	2738	2874	2965
40°	2671	2809	2895
45°	2587	2728	2809
50°	2486	2628	2708
55°	2378	2498	2577
60°	2226	2340	2397
65°	2032	2141	2195
70°	1786	1877	1928
75°	1511	1588	1643
80°	1199	1315	1347
85°	818	982	949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.0	3.5
10°-20°	600.4	10.1
20°-30°	912.5	15.4
30°-40°	1088.8	18.4
40°-50°	1099.7	18.6
50°-60°	947.4	16.0
60°-70°	660.5	11.2
70°-80°	327.3	5.5
80°-90°	76.3	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°	1720.9	29.1
0°-40°	2809.7	47.5
0°-60°	4856.9	82.0
0°-90°	5921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5921.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2189	2189	2189	2189	2189	
5°	2182	2180	2180	2191	2195	207
15°	2091	2102	2125	2153	2163	590
25°	1915	1941	1983	2023	2040	882
35°	1667	1695	1750	1790	1805	1042
45°	1360	1389	1434	1468	1476	1048
55°	1014	1035	1065	1090	1099	904
65°	638	651	672	679	689	634
75°	291	295	305	312	316	313
85°	53	64	64	59	62	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2188.9	2188.9	2188.9	2188.9	2188.9
2.5°	2191.0	2186.7	2182.5	2191.0	2195.2
5°	2182.5	2180.4	2180.4	2191.0	2195.2
7.5°	2167.7	2167.7	2174.0	2188.9	2193.1
10°	2148.6	2152.8	2161.3	2182.5	2188.9
12.5°	2123.1	2131.6	2146.4	2171.9	2180.4
15°	2091.3	2101.9	2125.2	2152.8	2163.4
17.5°	2055.2	2070.1	2099.8	2131.6	2142.2
20°	2012.8	2031.9	2065.9	2101.9	2114.6
22.5°	1966.2	1989.5	2027.7	2065.9	2080.7
25°	1915.3	1940.7	1983.1	2023.4	2040.4
27.5°	1862.2	1887.7	1934.3	1974.6	1991.6
30°	1798.6	1828.3	1877.1	1919.5	1934.3
32.5°	1737.1	1766.8	1817.7	1855.9	1870.7
35°	1667.1	1694.7	1749.8	1790.1	1805.0
37.5°	1592.9	1624.7	1677.7	1713.8	1726.5
40°	1520.8	1548.3	1599.2	1635.3	1648.0
42.5°	1440.2	1469.9	1520.8	1552.6	1563.2
45°	1359.6	1389.3	1433.8	1467.7	1476.2
47.5°	1276.8	1304.4	1349.0	1376.5	1385.0
50°	1187.8	1213.2	1255.6	1283.2	1293.8
52.5°	1102.9	1126.2	1162.3	1185.6	1192.0
55°	1013.8	1035.0	1064.7	1090.2	1098.7
57.5°	918.4	941.7	969.3	990.5	996.9
60°	827.2	846.3	869.6	888.7	890.8
62.5°	738.1	746.6	767.8	784.8	786.9
65°	638.4	651.1	672.4	678.7	689.3
67.5°	547.2	555.7	572.7	581.2	589.6
70°	453.9	460.3	477.2	487.8	490.0
72.5°	373.3	375.4	388.1	396.6	398.7
75°	290.6	294.8	305.4	311.8	316.0
77.5°	220.6	224.8	233.3	237.6	237.6
80°	154.8	161.2	169.7	171.8	173.9
82.5°	99.7	108.2	114.5	116.7	112.4
85°	53.0	63.6	63.6	59.4	61.5
87.5°	19.1	23.3	25.5	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)