

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: P297381

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297381
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-60L82765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6297.0 lumens
Efficiency: N/A
Efficacy: 139.3 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

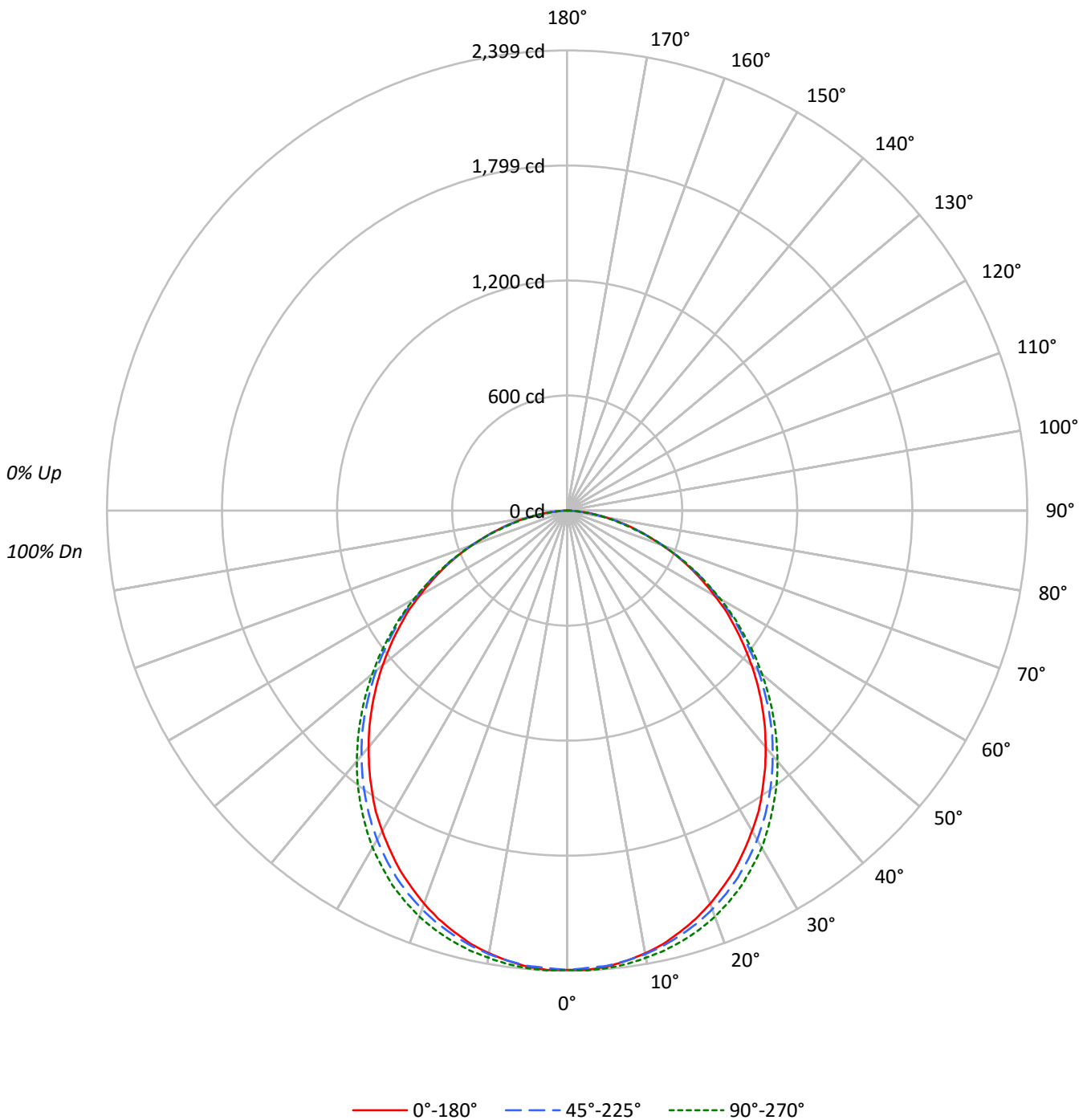
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3222	3222	3222
5°	3223	3217	3235
10°	3202	3208	3234
15°	3168	3191	3235
20°	3122	3168	3226
25°	3067	3130	3200
30°	2996	3078	3154
35°	2916	3010	3080
40°	2828	2928	2996
45°	2733	2833	2894
50°	2629	2726	2775
55°	2518	2597	2637
60°	2392	2454	2483
65°	2256	2289	2303
70°	2070	2094	2070
75°	1864	1853	1798
80°	1578	1561	1512
85°	1179	1145	1016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	3.6
10°-20°	647.7	10.3
20°-30°	971.2	15.4
30°-40°	1143.7	18.2
40°-50°	1143.9	18.2
50°-60°	987.0	15.7
60°-70°	710.2	11.3
70°-80°	376.7	6.0
80°-90°	89.9	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°	1845.6	29.3
0°-40°	2989.4	47.5
0°-60°	5120.3	81.3
0°-90°	6297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2395	2395	2395	2395	2395	
5°	2386	2384	2382	2391	2395	226
15°	2274	2280	2291	2314	2323	641
25°	2066	2079	2108	2145	2155	950
35°	1776	1797	1833	1865	1875	1111
45°	1436	1455	1489	1515	1521	1108
55°	1073	1084	1107	1126	1124	961
65°	708	711	719	723	723	701
75°	358	354	356	348	346	381
85°	76	76	74	68	66	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2394.9	2394.9	2394.9	2394.9	2394.9
2.5°	2397.0	2392.7	2386.4	2394.9	2399.1
5°	2386.4	2384.3	2382.1	2390.6	2394.9
7.5°	2367.3	2369.4	2367.3	2380.0	2384.3
10°	2344.0	2346.1	2348.2	2363.0	2367.3
12.5°	2314.3	2316.4	2322.7	2341.8	2348.2
15°	2274.0	2280.3	2290.9	2314.3	2322.7
17.5°	2231.5	2240.0	2254.9	2282.4	2290.9
20°	2180.6	2191.2	2212.4	2242.1	2252.7
22.5°	2123.3	2134.0	2163.7	2195.5	2206.1
25°	2066.1	2078.8	2108.5	2144.6	2155.2
27.5°	1998.2	2015.2	2047.0	2083.0	2091.5
30°	1928.2	1943.0	1981.2	2015.2	2030.0
32.5°	1858.2	1873.0	1909.1	1943.0	1953.7
35°	1775.5	1796.7	1832.7	1864.6	1875.2
37.5°	1694.9	1714.0	1752.1	1784.0	1794.6
40°	1610.0	1627.0	1667.3	1697.0	1705.5
42.5°	1525.2	1542.1	1582.4	1605.8	1614.3
45°	1436.1	1455.2	1489.1	1514.6	1520.9
47.5°	1347.0	1361.8	1393.6	1417.0	1425.5
50°	1255.8	1270.6	1302.4	1321.5	1325.8
52.5°	1164.6	1175.2	1204.9	1221.8	1228.2
55°	1073.3	1083.9	1107.3	1126.4	1124.3
57.5°	986.4	990.6	1013.9	1026.7	1026.7
60°	888.8	893.0	912.1	920.6	922.7
62.5°	797.6	803.9	818.8	820.9	820.9
65°	708.5	710.6	719.1	723.3	723.3
67.5°	619.4	617.3	625.8	625.8	623.6
70°	526.1	530.3	532.4	528.2	526.1
72.5°	441.2	439.1	439.1	437.0	437.0
75°	358.5	354.2	356.4	347.9	345.8
77.5°	282.1	275.8	273.6	269.4	265.2
80°	203.6	203.6	201.5	197.3	195.2
82.5°	135.8	135.8	133.6	129.4	125.2
85°	76.4	76.4	74.2	67.9	65.8
87.5°	25.5	25.5	25.5	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)