

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: P297454

Luminaire Tested: **D3X-WO-80L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297454
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-80L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6273.0 lumens
Efficiency: N/A
Efficacy: 101.0 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

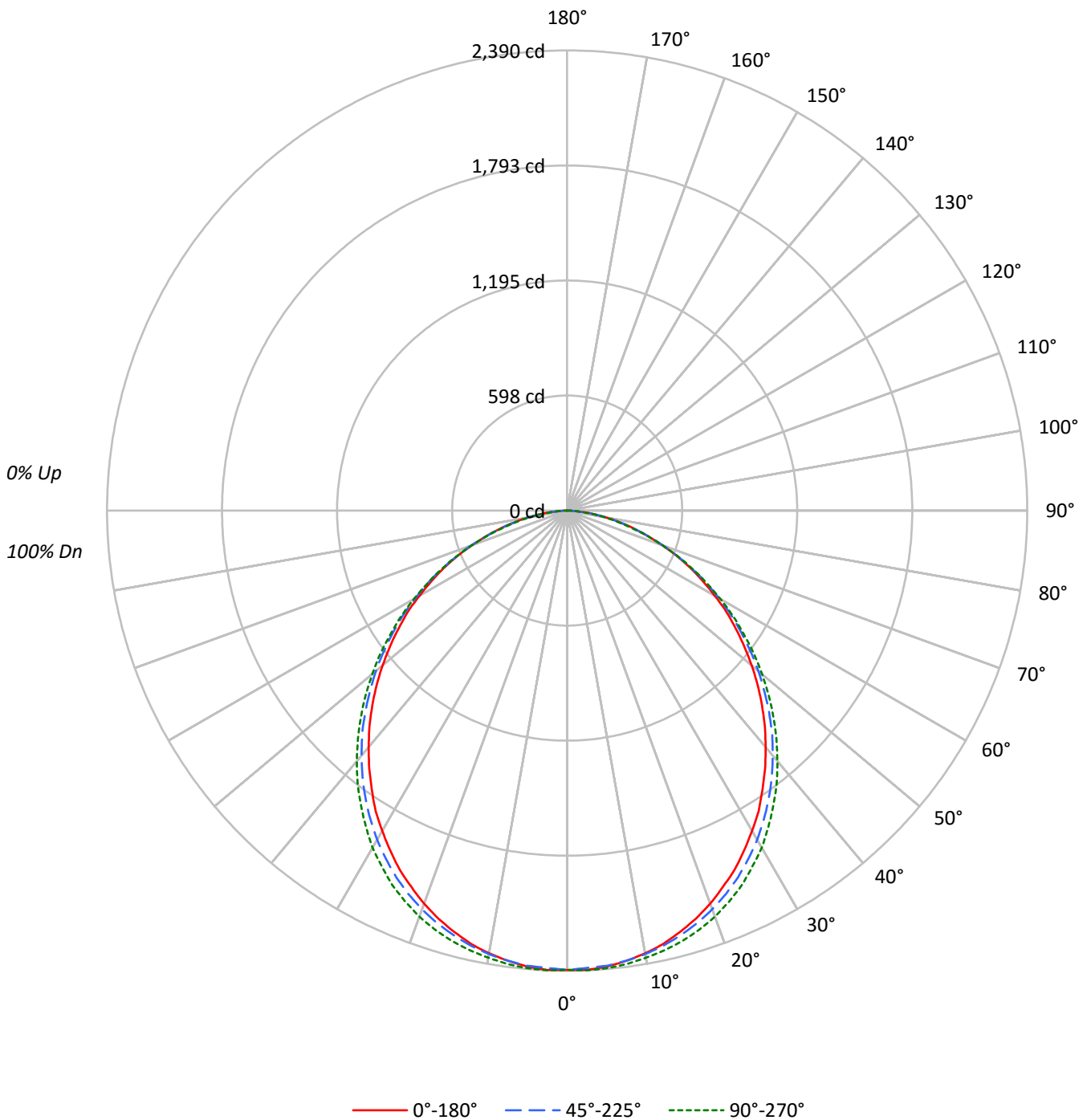
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3210	3210	3210
5°	3211	3205	3222
10°	3190	3196	3222
15°	3155	3179	3223
20°	3110	3156	3213
25°	3056	3118	3187
30°	2984	3066	3142
35°	2905	2999	3068
40°	2817	2917	2984
45°	2722	2823	2883
50°	2619	2716	2765
55°	2508	2588	2627
60°	2383	2445	2474
65°	2247	2281	2294
70°	2062	2087	2062
75°	1856	1845	1790
80°	1572	1555	1506
85°	1175	1142	1011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	3.6
10°-20°	645.3	10.3
20°-30°	967.5	15.4
30°-40°	1139.4	18.2
40°-50°	1139.5	18.2
50°-60°	983.2	15.7
60°-70°	707.5	11.3
70°-80°	375.3	6.0
80°-90°	89.5	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°	1838.6	29.3
0°-40°	2978.0	47.5
0°-60°	5100.7	81.3
0°-90°	6273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2386	2386	2386	2386	2386	
5°	2377	2375	2373	2382	2386	226
15°	2265	2272	2282	2305	2314	639
25°	2058	2071	2100	2136	2147	947
35°	1769	1790	1826	1858	1868	1107
45°	1431	1450	1483	1509	1515	1104
55°	1069	1080	1103	1122	1120	957
65°	706	708	716	721	721	698
75°	357	353	355	347	344	380
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°	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2387.9	2383.6	2377.3	2385.7	2390.0
5°	2377.3	2375.2	2373.1	2381.5	2385.7
7.5°	2358.3	2360.4	2358.3	2370.9	2375.2
10°	2335.0	2337.1	2339.2	2354.0	2358.3
12.5°	2305.4	2307.6	2313.9	2332.9	2339.2
15°	2265.3	2271.6	2282.2	2305.4	2313.9
17.5°	2223.0	2231.5	2246.3	2273.7	2282.2
20°	2172.3	2182.9	2204.0	2233.6	2244.2
22.5°	2115.3	2125.8	2155.4	2187.1	2197.7
25°	2058.2	2070.9	2100.5	2136.4	2147.0
27.5°	1990.6	2007.5	2039.2	2075.1	2083.6
30°	1920.8	1935.6	1973.7	2007.5	2022.3
32.5°	1851.1	1865.9	1901.8	1935.6	1946.2
35°	1768.7	1789.8	1825.8	1857.5	1868.0
37.5°	1688.4	1707.4	1745.5	1777.2	1787.7
40°	1603.9	1620.8	1660.9	1690.5	1699.0
42.5°	1519.3	1536.3	1576.4	1599.6	1608.1
45°	1430.6	1449.6	1483.4	1508.8	1515.1
47.5°	1341.8	1356.6	1388.3	1411.6	1420.0
50°	1251.0	1265.8	1297.5	1316.5	1320.7
52.5°	1160.1	1170.7	1200.3	1217.2	1223.5
55°	1069.3	1079.8	1103.1	1122.1	1120.0
57.5°	982.6	986.8	1010.1	1022.8	1022.8
60°	885.4	889.6	908.7	917.1	919.2
62.5°	794.5	800.9	815.7	817.8	817.8
65°	705.8	707.9	716.4	720.6	720.6
67.5°	617.0	614.9	623.4	623.4	621.3
70°	524.1	528.3	530.4	526.2	524.1
72.5°	439.5	437.4	437.4	435.3	435.3
75°	357.1	352.9	355.0	346.6	344.4
77.5°	281.0	274.7	272.6	268.4	264.1
80°	202.9	202.9	200.7	196.5	194.4
82.5°	135.2	135.2	133.1	128.9	124.7
85°	76.1	76.1	74.0	67.6	65.5
87.5°	25.4	25.4	25.4	25.4	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)