

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: P297440

Luminaire Tested: **D3X-WO-60L93050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297440
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-60L93050-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5120.0 lumens
Efficiency: N/A
Efficacy: 116.1 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

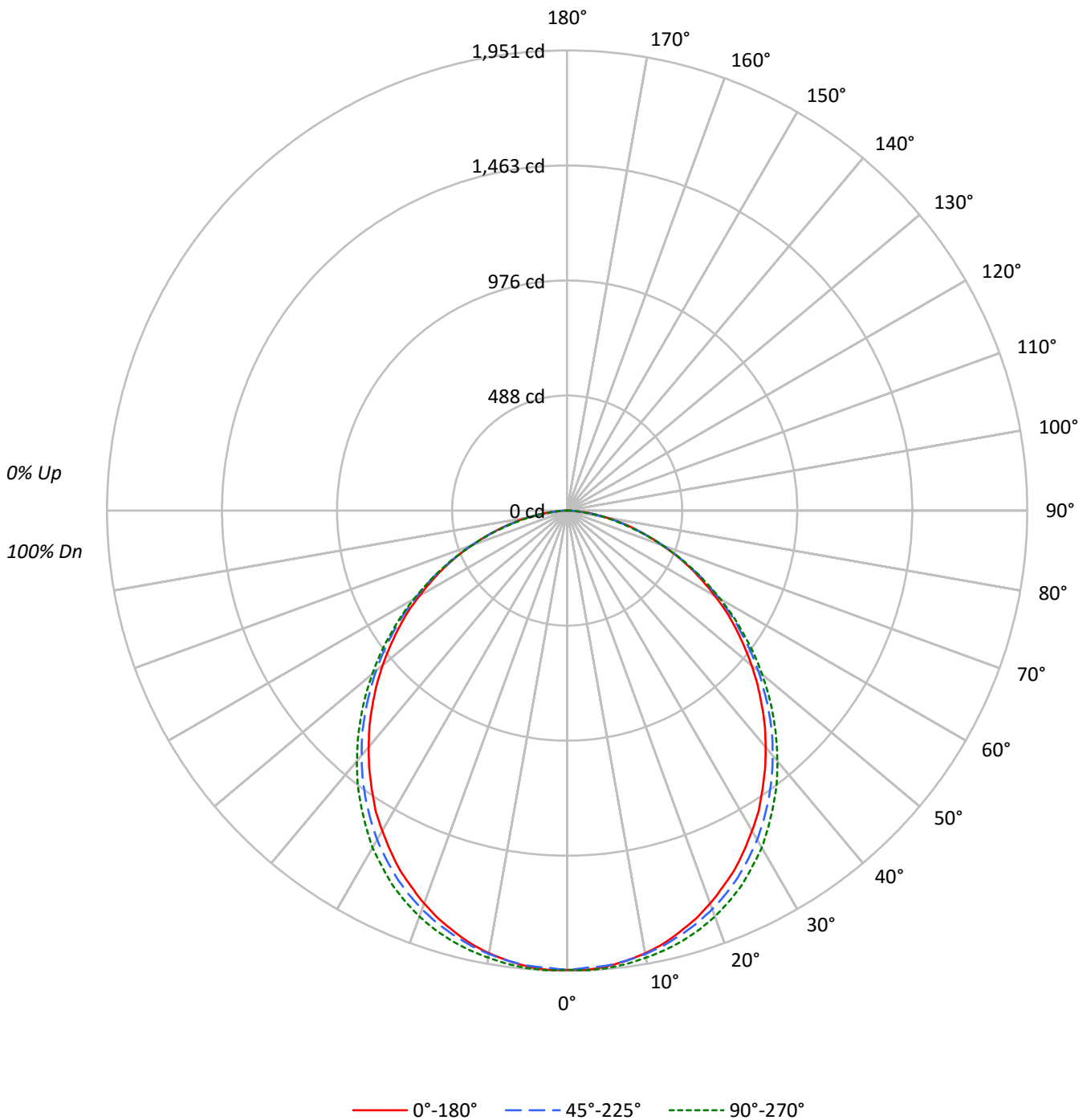
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2620	2620	2620
5°	2621	2616	2630
10°	2604	2609	2630
15°	2575	2595	2631
20°	2539	2576	2623
25°	2494	2545	2601
30°	2436	2503	2564
35°	2371	2448	2504
40°	2299	2381	2436
45°	2222	2304	2353
50°	2137	2217	2256
55°	2047	2112	2144
60°	1945	1996	2019
65°	1834	1862	1872
70°	1683	1703	1683
75°	1515	1507	1461
80°	1283	1270	1230
85°	959	932	826



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	3.6
10°-20°	526.7	10.3
20°-30°	789.6	15.4
30°-40°	929.9	18.2
40°-50°	930.1	18.2
50°-60°	802.5	15.7
60°-70°	577.5	11.3
70°-80°	306.3	6.0
80°-90°	73.1	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°	1500.7	29.3
0°-40°	2430.6	47.5
0°-60°	4163.2	81.3
0°-90°	5120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1940	1939	1937	1944	1947	184
15°	1849	1854	1863	1882	1889	521
25°	1680	1690	1714	1744	1752	773
35°	1444	1461	1490	1516	1525	903
45°	1168	1183	1211	1232	1237	901
55°	873	881	900	916	914	781
65°	576	578	585	588	588	570
75°	292	288	290	283	281	310
85°	62	62	60	55	54	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1947.2	1947.2	1947.2	1947.2	1947.2
2.5°	1949.0	1945.5	1940.3	1947.2	1950.7
5°	1940.3	1938.6	1936.9	1943.8	1947.2
7.5°	1924.8	1926.5	1924.8	1935.2	1938.6
10°	1905.8	1907.6	1909.3	1921.4	1924.8
12.5°	1881.7	1883.4	1888.6	1904.1	1909.3
15°	1848.9	1854.1	1862.7	1881.7	1888.6
17.5°	1814.4	1821.3	1833.4	1855.8	1862.7
20°	1773.0	1781.7	1798.9	1823.0	1831.7
22.5°	1726.5	1735.1	1759.2	1785.1	1793.7
25°	1679.9	1690.2	1714.4	1743.7	1752.3
27.5°	1624.7	1638.5	1664.4	1693.7	1700.6
30°	1567.8	1579.9	1610.9	1638.5	1650.6
32.5°	1510.9	1522.9	1552.3	1579.9	1588.5
35°	1443.6	1460.9	1490.2	1516.0	1524.7
37.5°	1378.1	1393.6	1424.6	1450.5	1459.1
40°	1309.1	1322.9	1355.6	1379.8	1386.7
42.5°	1240.1	1253.9	1286.7	1305.6	1312.5
45°	1167.6	1183.2	1210.8	1231.5	1236.6
47.5°	1095.2	1107.3	1133.2	1152.1	1159.0
50°	1021.0	1033.1	1059.0	1074.5	1078.0
52.5°	946.9	955.5	979.7	993.4	998.6
55°	872.7	881.3	900.3	915.8	914.1
57.5°	802.0	805.5	824.4	834.8	834.8
60°	722.7	726.1	741.6	748.5	750.3
62.5°	648.5	653.7	665.7	667.5	667.5
65°	576.1	577.8	584.7	588.1	588.1
67.5°	503.6	501.9	508.8	508.8	507.1
70°	427.7	431.2	432.9	429.5	427.7
72.5°	358.7	357.0	357.0	355.3	355.3
75°	291.5	288.0	289.8	282.9	281.1
77.5°	229.4	224.2	222.5	219.0	215.6
80°	165.6	165.6	163.9	160.4	158.7
82.5°	110.4	110.4	108.7	105.2	101.8
85°	62.1	62.1	60.4	55.2	53.5
87.5°	20.7	20.7	20.7	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)