

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: P296884

Luminaire Tested: **D3X-WD-67L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4891.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

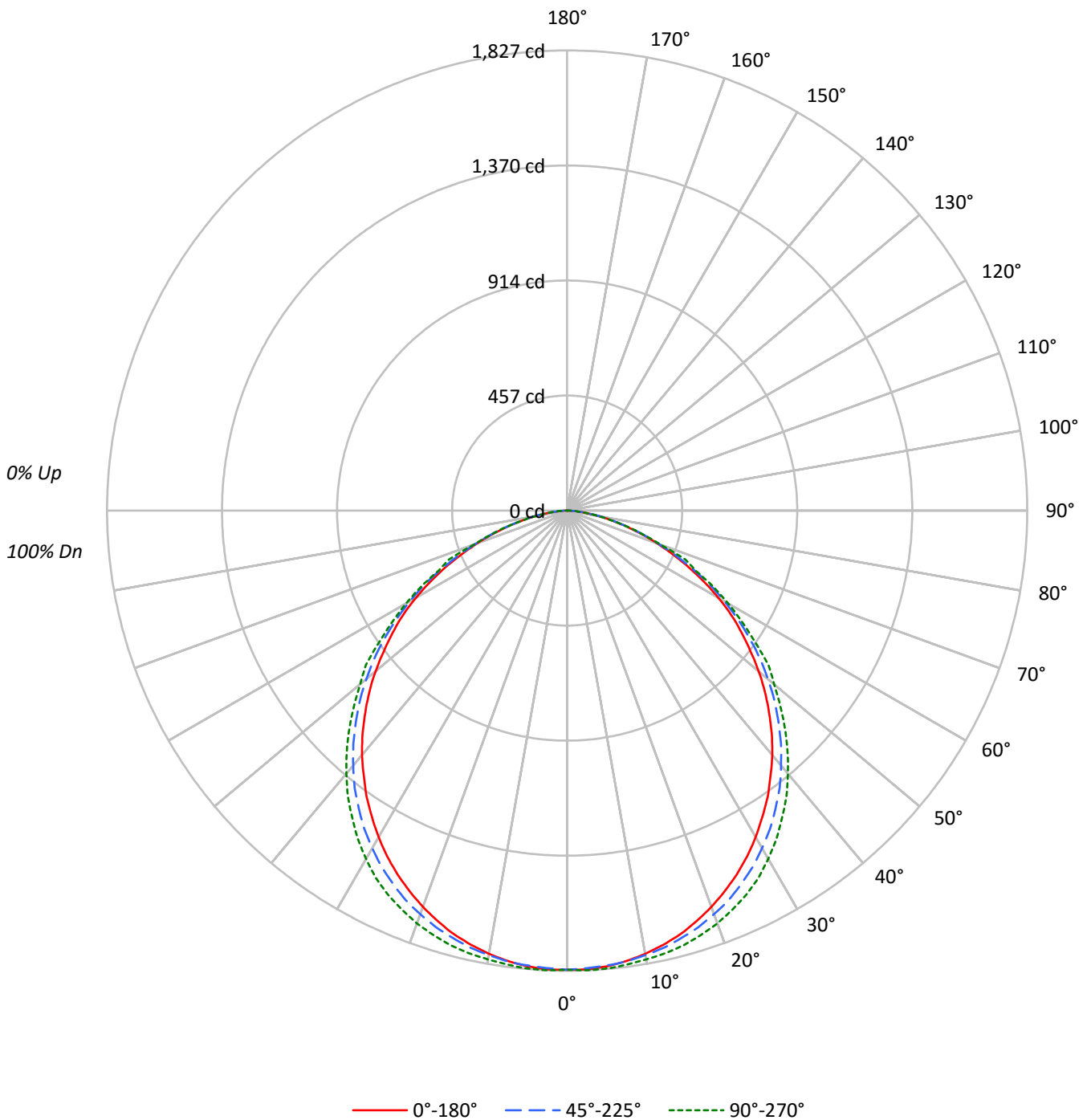
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2453	2453	2453
5°	2453	2448	2465
10°	2441	2448	2472
15°	2425	2447	2489
20°	2397	2442	2498
25°	2366	2428	2498
30°	2326	2405	2481
35°	2280	2369	2444
40°	2225	2321	2395
45°	2157	2257	2328
50°	2079	2178	2244
55°	1984	2075	2137
60°	1870	1941	1988
65°	1699	1754	1788
70°	1491	1526	1546
75°	1259	1277	1286
80°	1007	1020	993
85°	678	704	678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.8	3.5
10°-20°	496.9	10.2
20°-30°	754.0	15.4
30°-40°	900.1	18.4
40°-50°	911.3	18.6
50°-60°	787.7	16.1
60°-70°	546.0	11.2
70°-80°	264.2	5.4
80°-90°	58.1	1.2
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°	1423.7	29.1
0°-40°	2323.8	47.5
0°-60°	4022.8	82.2
0°-90°	4891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4891.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1823	1823	1823	1823	1823	
5°	1816	1815	1813	1822	1825	172
15°	1741	1744	1757	1778	1786	491
25°	1593	1604	1636	1669	1683	734
35°	1388	1400	1442	1479	1488	867
45°	1134	1150	1186	1216	1223	874
55°	846	855	884	921	911	756
65°	534	539	551	560	562	528
75°	242	244	246	244	247	260
85°	44	47	46	44	44	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1823.3	1823.3	1823.3	1823.3	1823.3
2.5°	1823.3	1821.6	1818.1	1823.3	1826.8
5°	1816.3	1814.6	1812.8	1821.6	1825.1
7.5°	1804.0	1804.0	1805.8	1814.6	1818.1
10°	1786.5	1788.2	1791.7	1805.8	1809.3
12.5°	1765.4	1768.9	1777.7	1793.5	1800.5
15°	1740.9	1744.4	1756.6	1777.7	1786.5
17.5°	1709.3	1716.3	1733.8	1758.4	1767.2
20°	1674.2	1682.9	1705.8	1733.8	1744.4
22.5°	1635.6	1644.3	1674.2	1704.0	1714.5
25°	1593.4	1604.0	1635.6	1668.9	1682.9
27.5°	1547.8	1560.1	1595.2	1630.3	1644.3
30°	1496.9	1511.0	1547.8	1584.7	1596.9
32.5°	1442.5	1456.6	1498.7	1533.8	1546.1
35°	1388.1	1400.4	1442.5	1479.4	1488.1
37.5°	1326.7	1340.7	1386.4	1418.0	1430.2
40°	1267.0	1281.1	1321.4	1353.0	1363.5
42.5°	1202.1	1216.1	1256.5	1286.3	1295.1
45°	1133.7	1149.5	1186.3	1216.1	1223.2
47.5°	1065.2	1077.5	1116.1	1142.4	1147.7
50°	993.3	1005.6	1040.6	1067.0	1072.2
52.5°	917.8	937.1	965.2	984.5	1007.3
55°	845.9	854.6	884.5	921.3	910.8
57.5°	773.9	779.2	803.7	819.5	823.0
60°	694.9	702.0	721.3	730.0	738.8
62.5°	612.5	617.7	640.5	649.3	652.8
65°	533.5	538.8	551.0	559.8	561.6
67.5°	452.8	458.0	468.6	475.6	507.2
70°	379.1	382.6	387.8	401.9	393.1
72.5°	308.9	310.6	315.9	315.9	317.6
75°	242.2	243.9	245.7	243.9	247.4
77.5°	180.8	184.3	186.0	184.3	182.5
80°	129.9	133.4	131.6	128.1	128.1
82.5°	84.2	86.0	84.2	82.5	82.5
85°	43.9	47.4	45.6	43.9	43.9
87.5°	15.8	17.5	19.3	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)