

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: P297242

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297242
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-67L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4935.0 lumens
Efficiency: N/A
Efficacy: 101.8 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

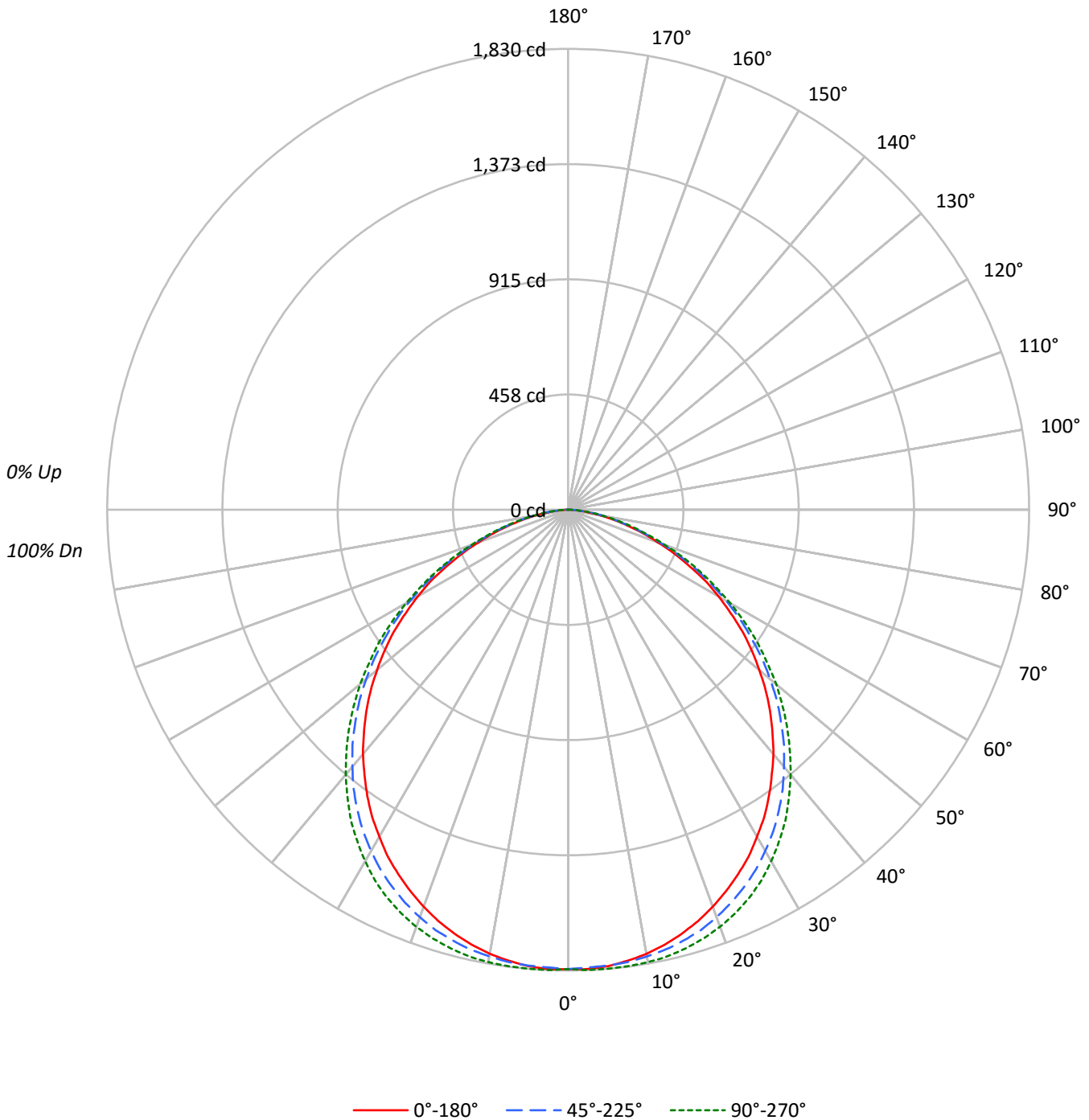
Input Watts (W): 48.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2455	2455	2455
5°	2457	2454	2471
10°	2447	2461	2493
15°	2428	2467	2512
20°	2402	2465	2524
25°	2370	2454	2525
30°	2329	2431	2505
35°	2282	2395	2471
40°	2226	2341	2413
45°	2156	2274	2341
50°	2072	2191	2257
55°	1982	2082	2148
60°	1855	1950	1998
65°	1694	1784	1829
70°	1488	1565	1607
75°	1259	1324	1369
80°	1000	1096	1124
85°	682	818	792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	3.5
10°-20°	500.5	10.1
20°-30°	760.5	15.4
30°-40°	907.5	18.4
40°-50°	916.6	18.6
50°-60°	789.7	16.0
60°-70°	550.5	11.2
70°-80°	272.8	5.5
80°-90°	63.6	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°	1434.3	29.1
0°-40°	2341.8	47.5
0°-60°	4048.1	82.0
0°-90°	4935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1824	1824	1824	1824	1824	
5°	1819	1817	1817	1826	1830	173
15°	1743	1752	1771	1794	1803	492
25°	1596	1618	1653	1686	1701	735
35°	1390	1412	1458	1492	1504	868
45°	1133	1158	1195	1223	1230	873
55°	845	863	887	909	916	753
65°	532	543	560	566	574	528
75°	242	246	255	260	263	261
85°	44	53	53	50	51	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1824.4	1824.4	1824.4	1824.4	1824.4
2.5°	1826.1	1822.6	1819.1	1826.1	1829.7
5°	1819.1	1817.3	1817.3	1826.1	1829.7
7.5°	1806.7	1806.7	1812.0	1824.4	1827.9
10°	1790.8	1794.3	1801.4	1819.1	1824.4
12.5°	1769.6	1776.6	1789.0	1810.2	1817.3
15°	1743.0	1751.9	1771.3	1794.3	1803.2
17.5°	1713.0	1725.4	1750.1	1776.6	1785.5
20°	1677.6	1693.5	1721.8	1751.9	1762.5
22.5°	1638.7	1658.2	1690.0	1721.8	1734.2
25°	1596.3	1617.5	1652.9	1686.5	1700.6
27.5°	1552.1	1573.3	1612.2	1645.8	1660.0
30°	1499.1	1523.8	1564.5	1599.9	1612.2
32.5°	1447.8	1472.6	1515.0	1546.8	1559.2
35°	1389.5	1412.5	1458.4	1492.0	1504.4
37.5°	1327.6	1354.1	1398.3	1428.4	1439.0
40°	1267.5	1290.5	1332.9	1363.0	1373.6
42.5°	1200.3	1225.1	1267.5	1294.0	1302.9
45°	1133.2	1157.9	1195.0	1223.3	1230.4
47.5°	1064.2	1087.2	1124.3	1147.3	1154.4
50°	990.0	1011.2	1046.5	1069.5	1078.4
52.5°	919.3	938.7	968.8	988.2	993.5
55°	845.0	862.7	887.4	908.6	915.7
57.5°	765.5	784.9	807.9	825.6	830.9
60°	689.4	705.4	724.8	740.7	742.5
62.5°	615.2	622.3	639.9	654.1	655.9
65°	532.1	542.7	560.4	565.7	574.5
67.5°	456.1	463.2	477.3	484.4	491.4
70°	378.3	383.6	397.8	406.6	408.4
72.5°	311.1	312.9	323.5	330.6	332.3
75°	242.2	245.7	254.6	259.9	263.4
77.5°	183.9	187.4	194.5	198.0	198.0
80°	129.0	134.4	141.4	143.2	145.0
82.5°	83.1	90.2	95.5	97.2	93.7
85°	44.2	53.0	53.0	49.5	51.3
87.5°	15.9	19.4	21.2	23.0	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)