

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: P296946

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296946
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-55L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4457.0 lumens
Efficiency: N/A
Efficacy: 116.1 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

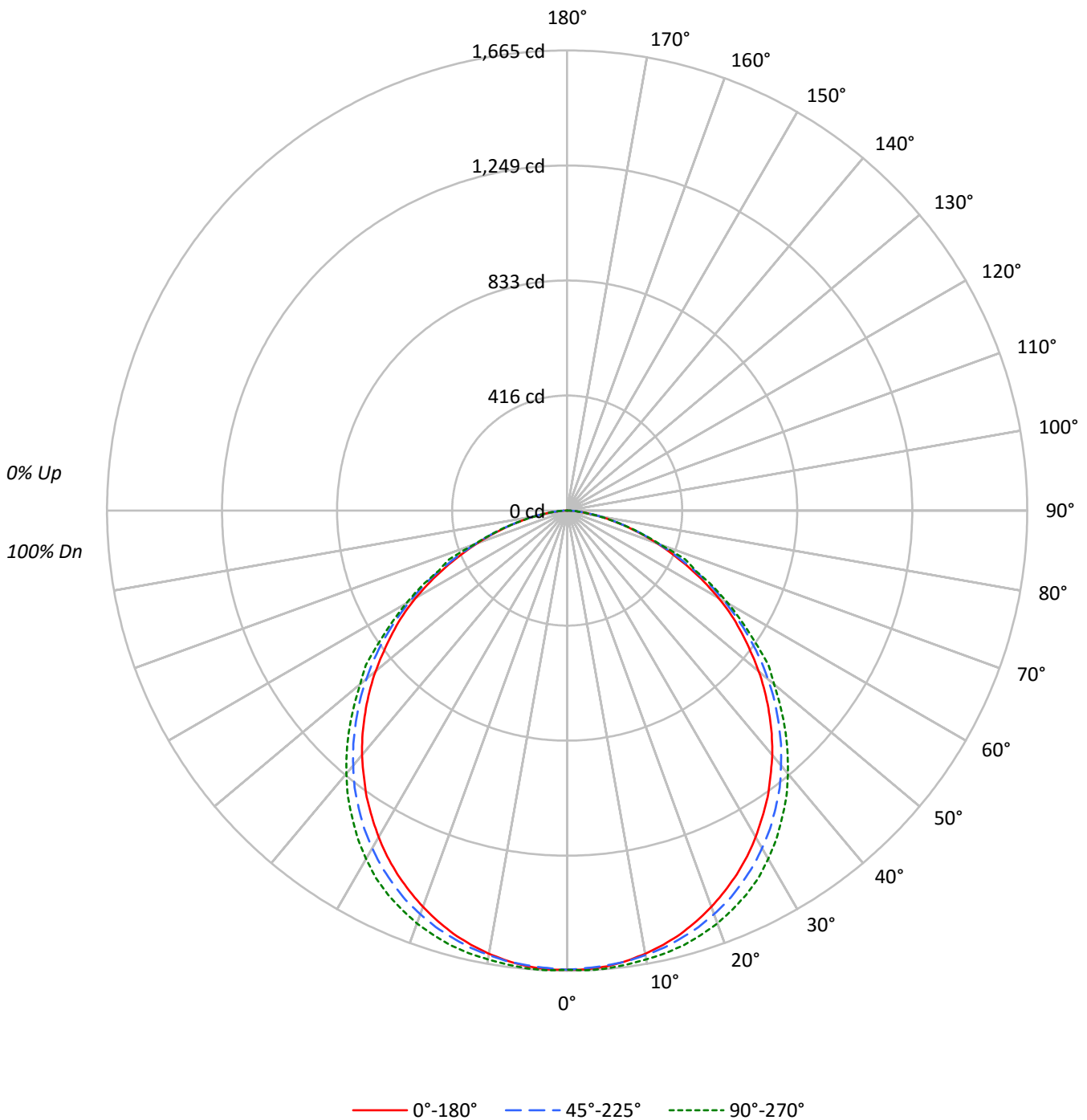
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2236	2236	2236
5°	2235	2231	2246
10°	2224	2231	2253
15°	2210	2230	2268
20°	2184	2226	2276
25°	2156	2213	2277
30°	2119	2191	2261
35°	2078	2159	2227
40°	2028	2115	2183
45°	1966	2057	2121
50°	1895	1985	2045
55°	1808	1891	1947
60°	1704	1769	1812
65°	1548	1599	1629
70°	1359	1390	1409
75°	1147	1164	1172
80°	917	929	904
85°	618	642	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	3.5
10°-20°	452.8	10.2
20°-30°	687.1	15.4
30°-40°	820.3	18.4
40°-50°	830.4	18.6
50°-60°	717.8	16.1
60°-70°	497.5	11.2
70°-80°	240.7	5.4
80°-90°	52.9	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°	1297.3	29.1
0°-40°	2117.6	47.5
0°-60°	3665.9	82.2
0°-90°	4457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1662	1662	1662	1662	1662	
5°	1655	1654	1652	1660	1663	157
15°	1586	1590	1601	1620	1628	447
25°	1452	1462	1490	1521	1534	669
35°	1265	1276	1314	1348	1356	790
45°	1033	1048	1081	1108	1115	797
55°	771	779	806	840	830	689
65°	486	491	502	510	512	481
75°	221	222	224	222	226	237
85°	40	43	42	40	40	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1661.5	1661.5	1661.5	1661.5	1661.5
2.5°	1661.5	1659.9	1656.7	1661.5	1664.7
5°	1655.1	1653.5	1651.9	1659.9	1663.1
7.5°	1643.9	1643.9	1645.5	1653.5	1656.7
10°	1628.0	1629.6	1632.8	1645.5	1648.7
12.5°	1608.8	1612.0	1620.0	1634.4	1640.7
15°	1586.4	1589.6	1600.8	1620.0	1628.0
17.5°	1557.6	1564.0	1580.0	1602.4	1610.4
20°	1525.6	1533.6	1554.4	1580.0	1589.6
22.5°	1490.4	1498.4	1525.6	1552.8	1562.4
25°	1452.0	1461.6	1490.4	1520.8	1533.6
27.5°	1410.5	1421.7	1453.6	1485.6	1498.4
30°	1364.1	1376.9	1410.5	1444.1	1455.2
32.5°	1314.5	1327.3	1365.7	1397.7	1408.9
35°	1264.9	1276.1	1314.5	1348.1	1356.1
37.5°	1209.0	1221.8	1263.3	1292.1	1303.3
40°	1154.6	1167.4	1204.2	1233.0	1242.6
42.5°	1095.4	1108.2	1145.0	1172.2	1180.2
45°	1033.1	1047.5	1081.0	1108.2	1114.6
47.5°	970.7	981.9	1017.1	1041.1	1045.9
50°	905.1	916.3	948.3	972.3	977.1
52.5°	836.4	854.0	879.5	897.1	917.9
55°	770.8	778.8	806.0	839.6	830.0
57.5°	705.2	710.0	732.4	746.8	750.0
60°	633.3	639.7	657.3	665.3	673.3
62.5°	558.1	562.9	583.7	591.7	594.9
65°	486.1	490.9	502.1	510.1	511.7
67.5°	412.6	417.4	427.0	433.4	462.2
70°	345.4	348.6	353.4	366.2	358.2
72.5°	281.5	283.1	287.9	287.9	289.4
75°	220.7	222.3	223.9	222.3	225.5
77.5°	164.7	167.9	169.5	167.9	166.3
80°	118.3	121.5	119.9	116.7	116.7
82.5°	76.8	78.4	76.8	75.2	75.2
85°	40.0	43.2	41.6	40.0	40.0
87.5°	14.4	16.0	17.6	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)