

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: P297227

Luminaire Tested: **D3X-WG-55L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297227
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-55L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4609.0 lumens
Efficiency: N/A
Efficacy: 118.8 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

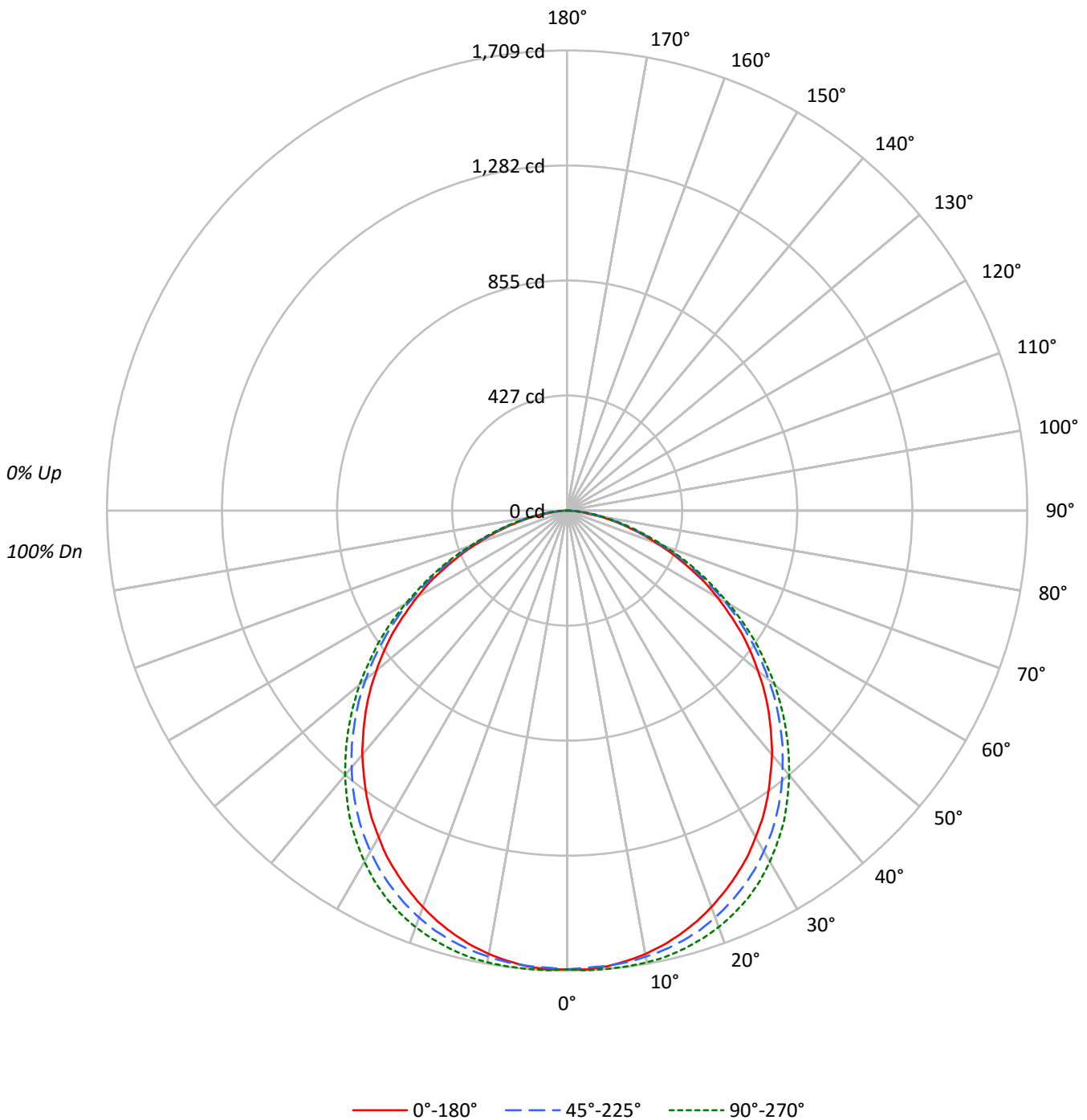
Input Watts (W): 38.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297227

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297227

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-4000K

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°	2292	2292	2292
5°	2295	2292	2308
10°	2285	2299	2328
15°	2268	2304	2346
20°	2243	2303	2357
25°	2213	2292	2358
30°	2175	2270	2339
35°	2132	2237	2308
40°	2079	2187	2253
45°	2014	2124	2187
50°	1935	2046	2108
55°	1851	1944	2006
60°	1733	1822	1866
65°	1582	1666	1708
70°	1390	1461	1500
75°	1176	1236	1279
80°	934	1024	1049
85°	638	764	739



TEST NUMBER: P297227

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.9	3.5
10°-20°	467.4	10.1
20°-30°	710.3	15.4
30°-40°	847.6	18.4
40°-50°	856.0	18.6
50°-60°	737.5	16.0
60°-70°	514.1	11.2
70°-80°	254.8	5.5
80°-90°	59.4	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°	1339.6	29.1
0°-40°	2187.2	47.5
0°-60°	3780.7	82.0
0°-90°	4609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1704	1704	1704	1704	1704	
5°	1699	1697	1697	1706	1709	161
15°	1628	1636	1654	1676	1684	459
25°	1491	1511	1544	1575	1588	687
35°	1298	1319	1362	1394	1405	811
45°	1058	1081	1116	1142	1149	816
55°	789	806	829	849	855	703
65°	497	507	523	528	537	494
75°	226	230	238	243	246	244
85°	41	50	50	46	48	53
90°	0	0	0	0	0	



TEST NUMBER: P297227

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1703.8	1703.8	1703.8	1703.8	1703.8
2.5°	1705.5	1702.2	1698.9	1705.5	1708.8
5°	1698.9	1697.2	1697.2	1705.5	1708.8
7.5°	1687.3	1687.3	1692.3	1703.8	1707.2
10°	1672.5	1675.8	1682.4	1698.9	1703.8
12.5°	1652.7	1659.3	1670.8	1690.6	1697.2
15°	1627.9	1636.2	1654.3	1675.8	1684.0
17.5°	1599.8	1611.4	1634.5	1659.3	1667.5
20°	1566.8	1581.7	1608.1	1636.2	1646.1
22.5°	1530.5	1548.7	1578.4	1608.1	1619.6
25°	1490.9	1510.7	1543.7	1575.1	1588.3
27.5°	1449.6	1469.4	1505.7	1537.1	1550.3
30°	1400.1	1423.2	1461.2	1494.2	1505.7
32.5°	1352.2	1375.3	1414.9	1444.6	1456.2
35°	1297.7	1319.2	1362.1	1393.5	1405.0
37.5°	1239.9	1264.7	1306.0	1334.0	1343.9
40°	1183.8	1205.2	1244.9	1272.9	1282.8
42.5°	1121.0	1144.2	1183.8	1208.5	1216.8
45°	1058.3	1081.4	1116.1	1142.5	1149.1
47.5°	993.9	1015.4	1050.0	1071.5	1078.1
50°	924.6	944.4	977.4	998.9	1007.1
52.5°	858.5	876.7	904.8	922.9	927.9
55°	789.2	805.7	828.8	848.6	855.2
57.5°	714.9	733.1	754.5	771.0	776.0
60°	643.9	658.8	676.9	691.8	693.4
62.5°	574.6	581.2	597.7	610.9	612.5
65°	497.0	506.9	523.4	528.3	536.6
67.5°	426.0	432.6	445.8	452.4	459.0
70°	353.3	358.3	371.5	379.7	381.4
72.5°	290.6	292.2	302.1	308.7	310.4
75°	226.2	229.5	237.7	242.7	246.0
77.5°	171.7	175.0	181.6	184.9	184.9
80°	120.5	125.5	132.1	133.7	135.4
82.5°	77.6	84.2	89.2	90.8	87.5
85°	41.3	49.5	49.5	46.2	47.9
87.5°	14.9	18.2	19.8	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)