

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: P297229

Luminaire Tested: **D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297229
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4824.0 lumens
Efficiency: N/A
Efficacy: 123.1 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

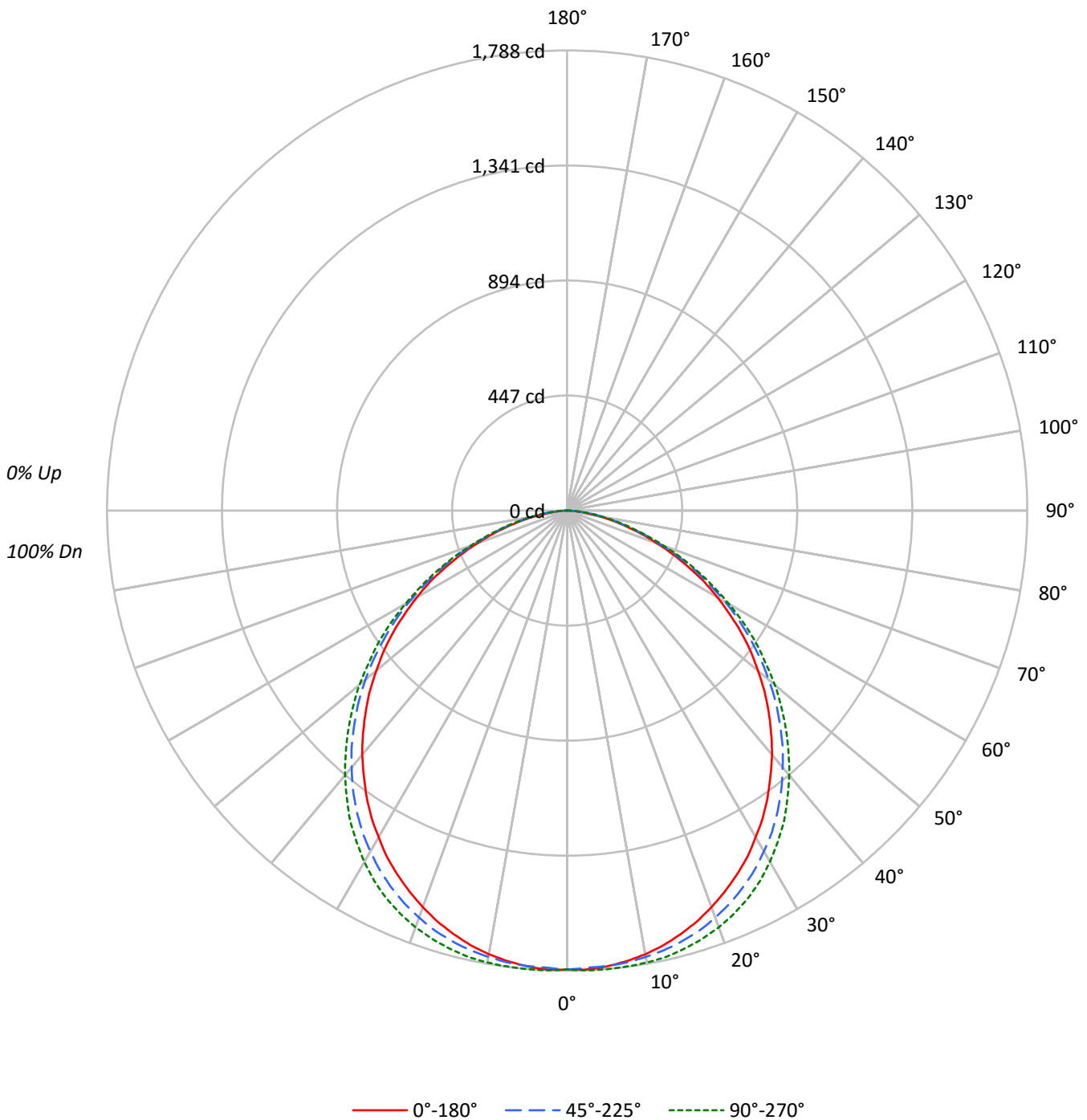
Input Watts (W): 39.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297229

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P297229

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5000K

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°	2399	2399	2399
5°	2402	2399	2416
10°	2392	2406	2436
15°	2373	2412	2455
20°	2348	2410	2467
25°	2317	2399	2468
30°	2277	2376	2449
35°	2231	2342	2416
40°	2176	2288	2358
45°	2108	2223	2289
50°	2026	2141	2206
55°	1938	2035	2100
60°	1813	1907	1953
65°	1656	1744	1788
70°	1455	1530	1570
75°	1231	1293	1339
80°	977	1071	1098
85°	667	800	773



TEST NUMBER: P297229

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	3.5
10°-20°	489.2	10.1
20°-30°	743.4	15.4
30°-40°	887.1	18.4
40°-50°	895.9	18.6
50°-60°	771.9	16.0
60°-70°	538.1	11.2
70°-80°	266.7	5.5
80°-90°	62.2	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°	1402.1	29.1
0°-40°	2289.2	47.5
0°-60°	3957.1	82.0
0°-90°	4824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1778	1776	1776	1785	1788	169
15°	1704	1712	1732	1754	1763	481
25°	1560	1581	1616	1648	1662	719
35°	1358	1381	1426	1458	1471	849
45°	1108	1132	1168	1196	1203	854
55°	826	843	868	888	895	736
65°	520	530	548	553	562	516
75°	237	240	249	254	258	255
85°	43	52	52	48	50	55
90°	0	0	0	0	0	



TEST NUMBER: P297229

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1783.3	1783.3	1783.3	1783.3	1783.3
2.5°	1785.1	1781.6	1778.1	1785.1	1788.5
5°	1778.1	1776.4	1776.4	1785.1	1788.5
7.5°	1766.1	1766.1	1771.2	1783.3	1786.8
10°	1750.5	1754.0	1760.9	1778.1	1783.3
12.5°	1729.8	1736.7	1748.8	1769.5	1776.4
15°	1703.8	1712.5	1731.5	1754.0	1762.6
17.5°	1674.5	1686.6	1710.8	1736.7	1745.3
20°	1639.9	1655.5	1683.1	1712.5	1722.8
22.5°	1601.9	1620.9	1652.0	1683.1	1695.2
25°	1560.4	1581.2	1615.7	1648.5	1662.4
27.5°	1517.2	1537.9	1576.0	1608.8	1622.6
30°	1465.4	1489.6	1529.3	1563.9	1576.0
32.5°	1415.3	1439.5	1480.9	1512.0	1524.1
35°	1358.2	1380.7	1425.6	1458.5	1470.6
37.5°	1297.8	1323.7	1366.9	1396.3	1406.6
40°	1239.0	1261.5	1302.9	1332.3	1342.7
42.5°	1173.3	1197.5	1239.0	1264.9	1273.6
45°	1107.7	1131.9	1168.2	1195.8	1202.7
47.5°	1040.3	1062.7	1099.0	1121.5	1128.4
50°	967.7	988.4	1023.0	1045.5	1054.1
52.5°	898.6	917.6	947.0	966.0	971.2
55°	826.0	843.3	867.5	888.2	895.1
57.5°	748.2	767.2	789.7	807.0	812.2
60°	673.9	689.5	708.5	724.0	725.8
62.5°	601.4	608.3	625.5	639.4	641.1
65°	520.1	530.5	547.8	553.0	561.6
67.5°	445.8	452.7	466.6	473.5	480.4
70°	369.8	375.0	388.8	397.4	399.2
72.5°	304.1	305.9	316.2	323.1	324.9
75°	236.7	240.2	248.8	254.0	257.5
77.5°	179.7	183.2	190.1	193.5	193.5
80°	126.1	131.3	138.2	140.0	141.7
82.5°	81.2	88.1	93.3	95.0	91.6
85°	43.2	51.8	51.8	48.4	50.1
87.5°	15.6	19.0	20.7	22.5	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)