

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: P297224

Luminaire Tested: **D3X-WG-55L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297224
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-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: 4089.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

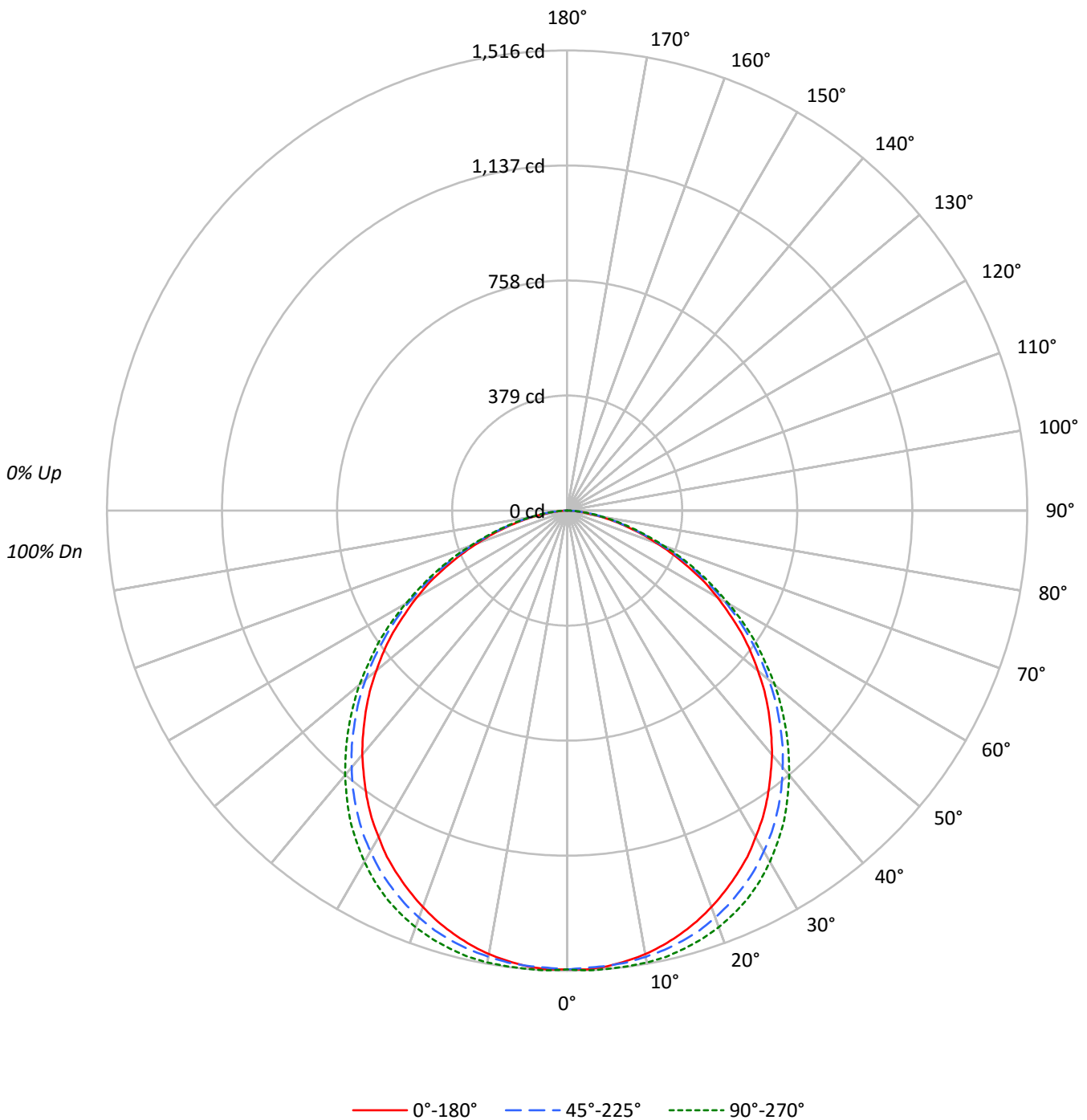
Input Watts (W): 38.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2034	2034	2034
5°	2036	2034	2048
10°	2027	2039	2065
15°	2012	2044	2081
20°	1990	2043	2091
25°	1964	2033	2092
30°	1930	2014	2075
35°	1891	1985	2047
40°	1845	1940	1999
45°	1787	1884	1940
50°	1717	1815	1870
55°	1642	1725	1780
60°	1537	1616	1655
65°	1404	1478	1515
70°	1233	1297	1331
75°	1043	1096	1134
80°	828	908	931
85°	565	678	656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	3.5
10°-20°	414.7	10.1
20°-30°	630.2	15.4
30°-40°	751.9	18.4
40°-50°	759.4	18.6
50°-60°	654.3	16.0
60°-70°	456.1	11.2
70°-80°	226.0	5.5
80°-90°	52.7	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°	1188.5	29.1
0°-40°	1940.4	47.5
0°-60°	3354.1	82.0
0°-90°	4089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4089.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1512	1512	1512	1512	1512	
5°	1507	1506	1506	1513	1516	143
15°	1444	1452	1468	1487	1494	407
25°	1323	1340	1370	1397	1409	609
35°	1151	1170	1208	1236	1246	720
45°	939	959	990	1014	1020	724
55°	700	715	735	753	759	624
65°	441	450	464	469	476	438
75°	201	204	211	215	218	216
85°	37	44	44	41	42	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1511.6	1511.6	1511.6	1511.6	1511.6
2.5°	1513.1	1510.2	1507.2	1513.1	1516.0
5°	1507.2	1505.8	1505.8	1513.1	1516.0
7.5°	1497.0	1497.0	1501.4	1511.6	1514.5
10°	1483.8	1486.7	1492.6	1507.2	1511.6
12.5°	1466.2	1472.1	1482.3	1499.9	1505.8
15°	1444.2	1451.6	1467.7	1486.7	1494.0
17.5°	1419.3	1429.6	1450.1	1472.1	1479.4
20°	1390.0	1403.2	1426.7	1451.6	1460.4
22.5°	1357.8	1373.9	1400.3	1426.7	1436.9
25°	1322.7	1340.2	1369.5	1397.4	1409.1
27.5°	1286.0	1303.6	1335.8	1363.7	1375.4
30°	1242.1	1262.6	1296.3	1325.6	1335.8
32.5°	1199.6	1220.1	1255.3	1281.7	1291.9
35°	1151.3	1170.3	1208.4	1236.2	1246.5
37.5°	1100.0	1122.0	1158.6	1183.5	1192.3
40°	1050.2	1069.3	1104.4	1129.3	1138.1
42.5°	994.6	1015.1	1050.2	1072.2	1079.5
45°	938.9	959.4	990.2	1013.6	1019.5
47.5°	881.8	900.8	931.6	950.6	956.5
50°	820.3	837.8	867.1	886.2	893.5
52.5°	761.7	777.8	802.7	818.8	823.2
55°	700.1	714.8	735.3	752.9	758.7
57.5°	634.2	650.3	669.4	684.0	688.4
60°	571.3	584.4	600.5	613.7	615.2
62.5°	509.7	515.6	530.2	542.0	543.4
65°	440.9	449.7	464.3	468.7	476.0
67.5°	377.9	383.8	395.5	401.3	407.2
70°	313.5	317.8	329.6	336.9	338.4
72.5°	257.8	259.3	268.0	273.9	275.4
75°	200.7	203.6	210.9	215.3	218.2
77.5°	152.3	155.3	161.1	164.1	164.1
80°	106.9	111.3	117.2	118.6	120.1
82.5°	68.8	74.7	79.1	80.6	77.6
85°	36.6	43.9	43.9	41.0	42.5
87.5°	13.2	16.1	17.6	19.0	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)