

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: P298251

Luminaire Tested: **D3X-WG-20L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-20L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1475.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

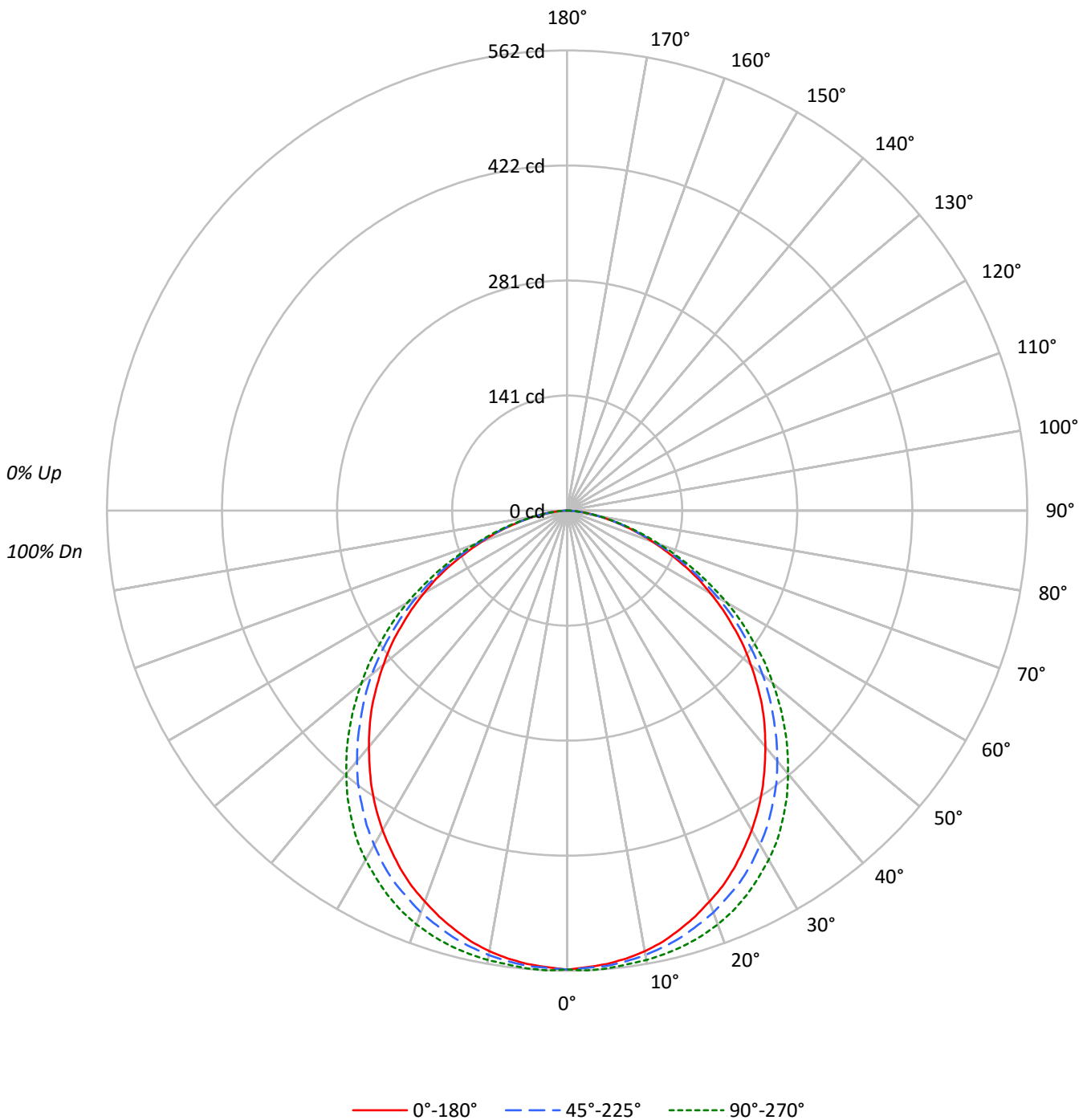
Input Watts (W): 15.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1508	1508	1508
5°	1501	1508	1516
10°	1493	1506	1523
15°	1477	1503	1533
20°	1455	1495	1540
25°	1432	1485	1539
30°	1401	1464	1530
35°	1366	1438	1509
40°	1323	1403	1474
45°	1281	1356	1430
50°	1226	1304	1373
55°	1164	1231	1297
60°	1087	1146	1214
65°	992	1037	1096
70°	869	906	943
75°	740	757	789
80°	595	606	618
85°	435	411	386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	3.6
10°-20°	152.3	10.3
20°-30°	230.2	15.6
30°-40°	273.4	18.5
40°-50°	274.5	18.6
50°-60°	234.5	15.9
60°-70°	161.6	11.0
70°-80°	78.3	5.3
80°-90°	17.1	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°	435.5	29.5
0°-40°	709.0	48.1
0°-60°	1218.0	82.6
0°-90°	1475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	560	560	560	560	560	
5°	556	556	558	560	561	53
15°	530	532	539	546	550	149
25°	482	486	500	514	518	222
35°	416	422	438	454	460	260
45°	337	341	356	371	376	259
55°	248	252	262	273	276	222
65°	156	156	163	170	172	154
75°	71	70	73	74	76	77
85°	14	14	13	12	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	560.5	560.5	560.5	560.5	560.5
2.5°	558.2	558.2	559.0	561.3	562.1
5°	555.8	555.8	558.2	559.8	561.3
7.5°	551.9	552.7	555.1	558.2	559.0
10°	546.4	547.2	551.1	555.1	557.4
12.5°	539.4	541.0	545.7	551.9	554.3
15°	530.0	532.4	539.4	546.4	550.4
17.5°	519.8	523.0	530.8	541.0	544.9
20°	508.1	512.0	522.2	533.1	537.8
22.5°	496.3	499.5	511.2	523.7	529.2
25°	482.2	486.2	500.3	513.6	518.3
27.5°	466.6	472.1	486.9	501.0	505.7
30°	450.9	455.6	471.3	486.9	492.4
32.5°	433.7	438.4	455.6	471.3	477.5
35°	415.7	422.0	437.6	454.1	459.5
37.5°	396.1	403.2	419.6	433.7	440.8
40°	376.6	382.8	399.3	414.1	419.6
42.5°	357.0	362.5	378.1	393.8	398.5
45°	336.6	341.3	356.2	371.1	375.8
47.5°	314.7	320.2	334.3	346.8	352.3
50°	292.8	298.3	311.6	323.3	328.0
52.5°	271.7	274.8	287.3	298.3	303.8
55°	248.2	252.1	262.3	273.2	276.4
57.5°	225.5	227.8	238.0	247.4	252.1
60°	202.0	203.5	212.9	220.0	225.5
62.5°	180.1	180.1	187.1	194.9	198.1
65°	155.8	155.8	162.8	169.9	172.2
67.5°	132.3	133.9	138.6	144.0	145.6
70°	110.4	110.4	115.1	119.0	119.8
72.5°	90.8	90.0	92.4	95.5	97.1
75°	71.2	69.7	72.8	74.4	75.9
77.5°	54.0	53.2	54.8	56.4	56.4
80°	38.4	37.6	39.1	39.1	39.9
82.5°	25.1	25.8	25.8	25.1	24.3
85°	14.1	14.1	13.3	12.5	12.5
87.5°	4.7	4.7	4.7	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)