

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: P297479

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-42L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3605.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

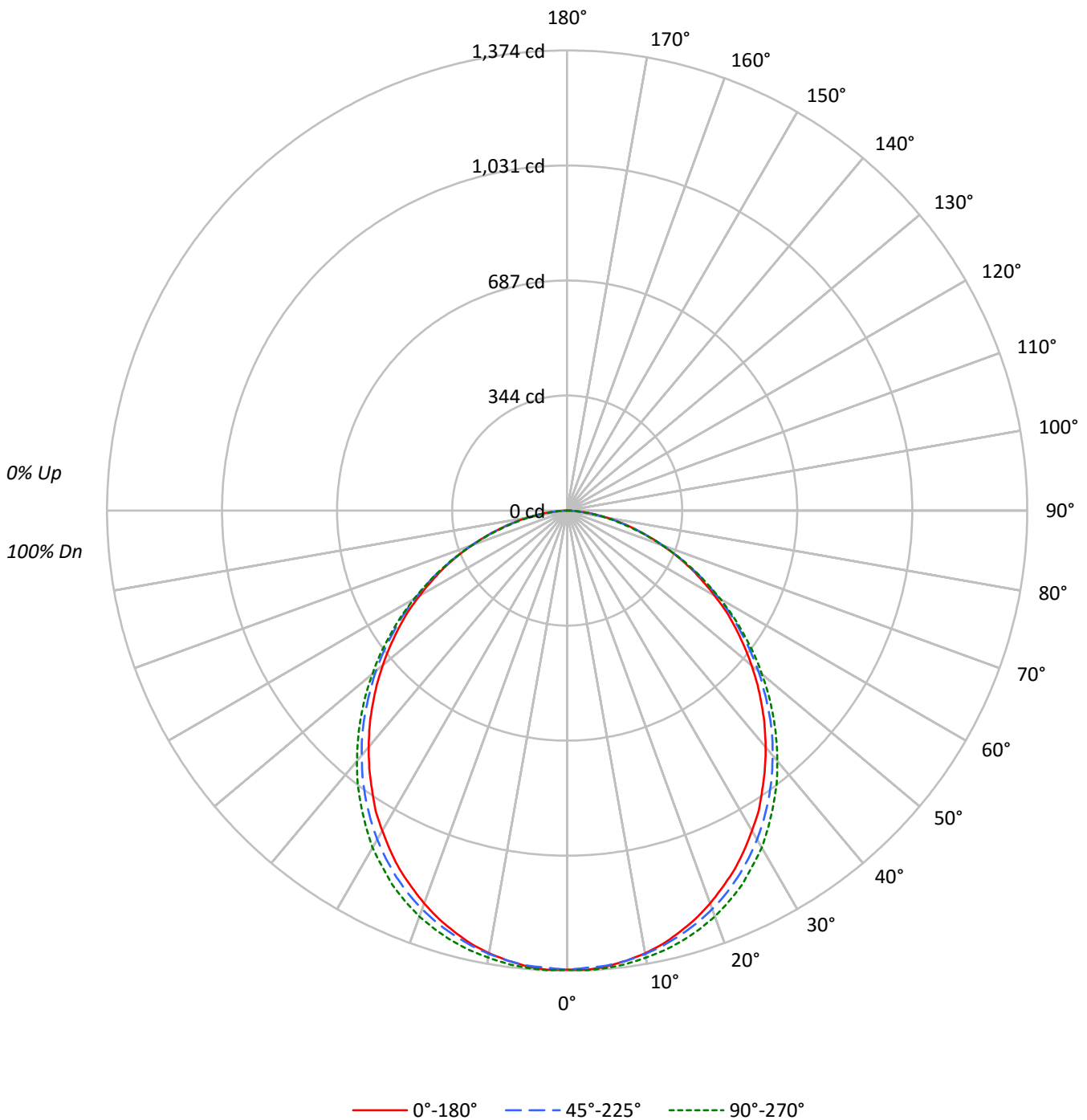
Input Watts (W): 29.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	1845	1845	1845
5°	1845	1842	1852
10°	1833	1837	1852
15°	1813	1827	1852
20°	1788	1814	1847
25°	1756	1792	1832
30°	1715	1762	1806
35°	1669	1723	1763
40°	1619	1676	1715
45°	1564	1622	1657
50°	1505	1561	1589
55°	1441	1487	1510
60°	1369	1405	1422
65°	1291	1311	1318
70°	1185	1199	1185
75°	1067	1061	1029
80°	903	894	865
85°	675	656	580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	3.6
10°-20°	370.8	10.3
20°-30°	556.0	15.4
30°-40°	654.8	18.2
40°-50°	654.9	18.2
50°-60°	565.0	15.7
60°-70°	406.6	11.3
70°-80°	215.7	6.0
80°-90°	51.4	1.4
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°	1056.6	29.3
0°-40°	1711.4	47.5
0°-60°	2931.3	81.3
0°-90°	3605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1371	1371	1371	1371	1371	
5°	1366	1365	1364	1369	1371	130
15°	1302	1306	1312	1325	1330	367
25°	1183	1190	1207	1228	1234	544
35°	1016	1029	1049	1068	1074	636
45°	822	833	852	867	871	634
55°	614	621	634	645	644	550
65°	406	407	412	414	414	401
75°	205	203	204	199	198	218
85°	44	44	42	39	38	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1371.0	1371.0	1371.0	1371.0	1371.0
2.5°	1372.3	1369.8	1366.2	1371.0	1373.5
5°	1366.2	1365.0	1363.8	1368.6	1371.0
7.5°	1355.3	1356.5	1355.3	1362.5	1365.0
10°	1341.9	1343.1	1344.3	1352.8	1355.3
12.5°	1324.9	1326.1	1329.8	1340.7	1344.3
15°	1301.8	1305.5	1311.5	1324.9	1329.8
17.5°	1277.5	1282.4	1290.9	1306.7	1311.5
20°	1248.4	1254.5	1266.6	1283.6	1289.7
22.5°	1215.6	1221.7	1238.7	1256.9	1263.0
25°	1182.8	1190.1	1207.1	1227.7	1233.8
27.5°	1144.0	1153.7	1171.9	1192.5	1197.4
30°	1103.9	1112.4	1134.2	1153.7	1162.2
32.5°	1063.8	1072.3	1093.0	1112.4	1118.5
35°	1016.4	1028.6	1049.2	1067.5	1073.5
37.5°	970.3	981.2	1003.1	1021.3	1027.4
40°	921.7	931.4	954.5	971.5	976.4
42.5°	873.1	882.9	905.9	919.3	924.2
45°	822.1	833.1	852.5	867.1	870.7
47.5°	771.1	779.6	797.9	811.2	816.1
50°	718.9	727.4	745.6	756.6	759.0
52.5°	666.7	672.8	689.8	699.5	703.1
55°	614.5	620.6	633.9	644.8	643.6
57.5°	564.7	567.1	580.5	587.8	587.8
60°	508.8	511.3	522.2	527.0	528.3
62.5°	456.6	460.3	468.8	470.0	470.0
65°	405.6	406.8	411.7	414.1	414.1
67.5°	354.6	353.4	358.2	358.2	357.0
70°	301.2	303.6	304.8	302.4	301.2
72.5°	252.6	251.4	251.4	250.2	250.2
75°	205.2	202.8	204.0	199.2	197.9
77.5°	161.5	157.9	156.7	154.2	151.8
80°	116.6	116.6	115.4	112.9	111.7
82.5°	77.7	77.7	76.5	74.1	71.6
85°	43.7	43.7	42.5	38.9	37.6
87.5°	14.6	14.6	14.6	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)