

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: P297333

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297333
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-36L82765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3782.0 lumens
Efficiency: N/A
Efficacy: 146.6 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

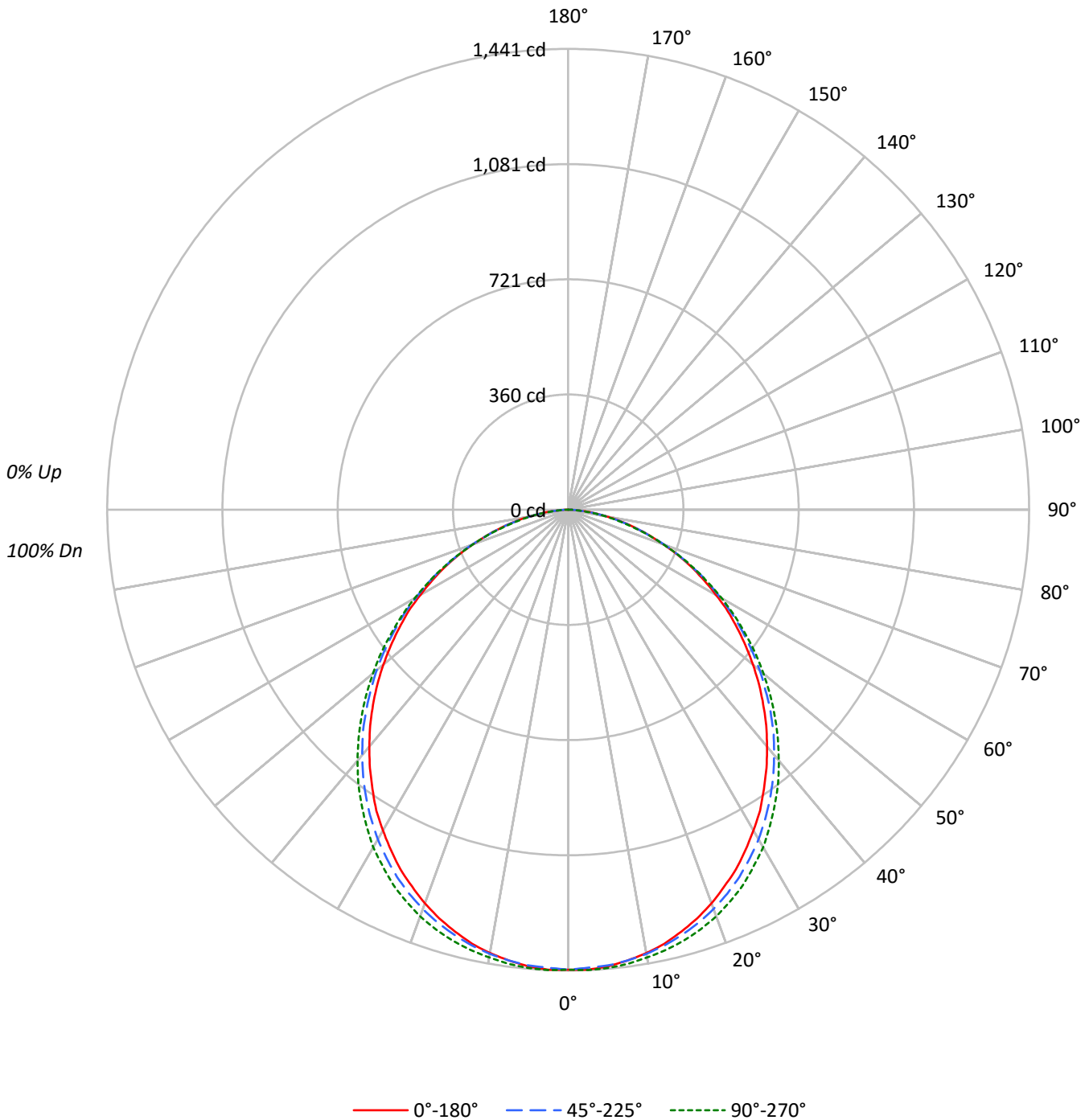
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1935	1935	1935
5°	1936	1932	1943
10°	1923	1927	1943
15°	1902	1917	1943
20°	1875	1903	1937
25°	1842	1880	1922
30°	1799	1849	1894
35°	1752	1808	1850
40°	1698	1759	1799
45°	1641	1702	1738
50°	1579	1637	1667
55°	1512	1560	1584
60°	1436	1474	1491
65°	1355	1375	1383
70°	1243	1258	1243
75°	1119	1112	1080
80°	948	938	908
85°	709	689	610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.6
10°-20°	389.0	10.3
20°-30°	583.3	15.4
30°-40°	686.9	18.2
40°-50°	687.0	18.2
50°-60°	592.8	15.7
60°-70°	426.5	11.3
70°-80°	226.2	6.0
80°-90°	54.0	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°	1108.5	29.3
0°-40°	1795.4	47.5
0°-60°	3075.2	81.3
0°-90°	3782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1438	1438	1438	1438	1438	
5°	1433	1432	1431	1436	1438	136
15°	1366	1370	1376	1390	1395	385
25°	1241	1248	1266	1288	1294	571
35°	1066	1079	1101	1120	1126	667
45°	862	874	894	910	914	665
55°	645	651	665	676	675	577
65°	426	427	432	434	434	421
75°	215	213	214	209	208	229
85°	46	46	45	41	40	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1438.4	1438.4	1438.4	1438.4	1438.4
2.5°	1439.6	1437.1	1433.3	1438.4	1440.9
5°	1433.3	1432.0	1430.7	1435.8	1438.4
7.5°	1421.8	1423.1	1421.8	1429.4	1432.0
10°	1407.8	1409.1	1410.3	1419.3	1421.8
12.5°	1390.0	1391.2	1395.0	1406.5	1410.3
15°	1365.7	1369.6	1375.9	1390.0	1395.0
17.5°	1340.3	1345.4	1354.3	1370.8	1375.9
20°	1309.7	1316.1	1328.8	1346.6	1353.0
22.5°	1275.3	1281.7	1299.5	1318.6	1325.0
25°	1240.9	1248.5	1266.4	1288.0	1294.4
27.5°	1200.1	1210.3	1229.4	1251.1	1256.2
30°	1158.1	1167.0	1189.9	1210.3	1219.2
32.5°	1116.0	1125.0	1146.6	1167.0	1173.4
35°	1066.4	1079.1	1100.8	1119.9	1126.2
37.5°	1017.9	1029.4	1052.3	1071.4	1077.8
40°	967.0	977.2	1001.4	1019.2	1024.3
42.5°	916.0	926.2	950.4	964.4	969.5
45°	862.5	874.0	894.4	909.6	913.5
47.5°	809.0	817.9	837.0	851.0	856.1
50°	754.2	763.1	782.2	793.7	796.3
52.5°	699.4	705.8	723.6	733.8	737.7
55°	644.7	651.0	665.0	676.5	675.2
57.5°	592.4	595.0	609.0	616.6	616.6
60°	533.8	536.4	547.8	552.9	554.2
62.5°	479.0	482.9	491.8	493.0	493.0
65°	425.5	426.8	431.9	434.4	434.4
67.5°	372.0	370.7	375.8	375.8	374.6
70°	316.0	318.5	319.8	317.2	316.0
72.5°	265.0	263.7	263.7	262.4	262.4
75°	215.3	212.8	214.0	208.9	207.7
77.5°	169.4	165.6	164.3	161.8	159.3
80°	122.3	122.3	121.0	118.5	117.2
82.5°	81.5	81.5	80.3	77.7	75.2
85°	45.9	45.9	44.6	40.8	39.5
87.5°	15.3	15.3	15.3	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)