

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: P297336

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297336
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3839.0 lumens
Efficiency: N/A
Efficacy: 146.0 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

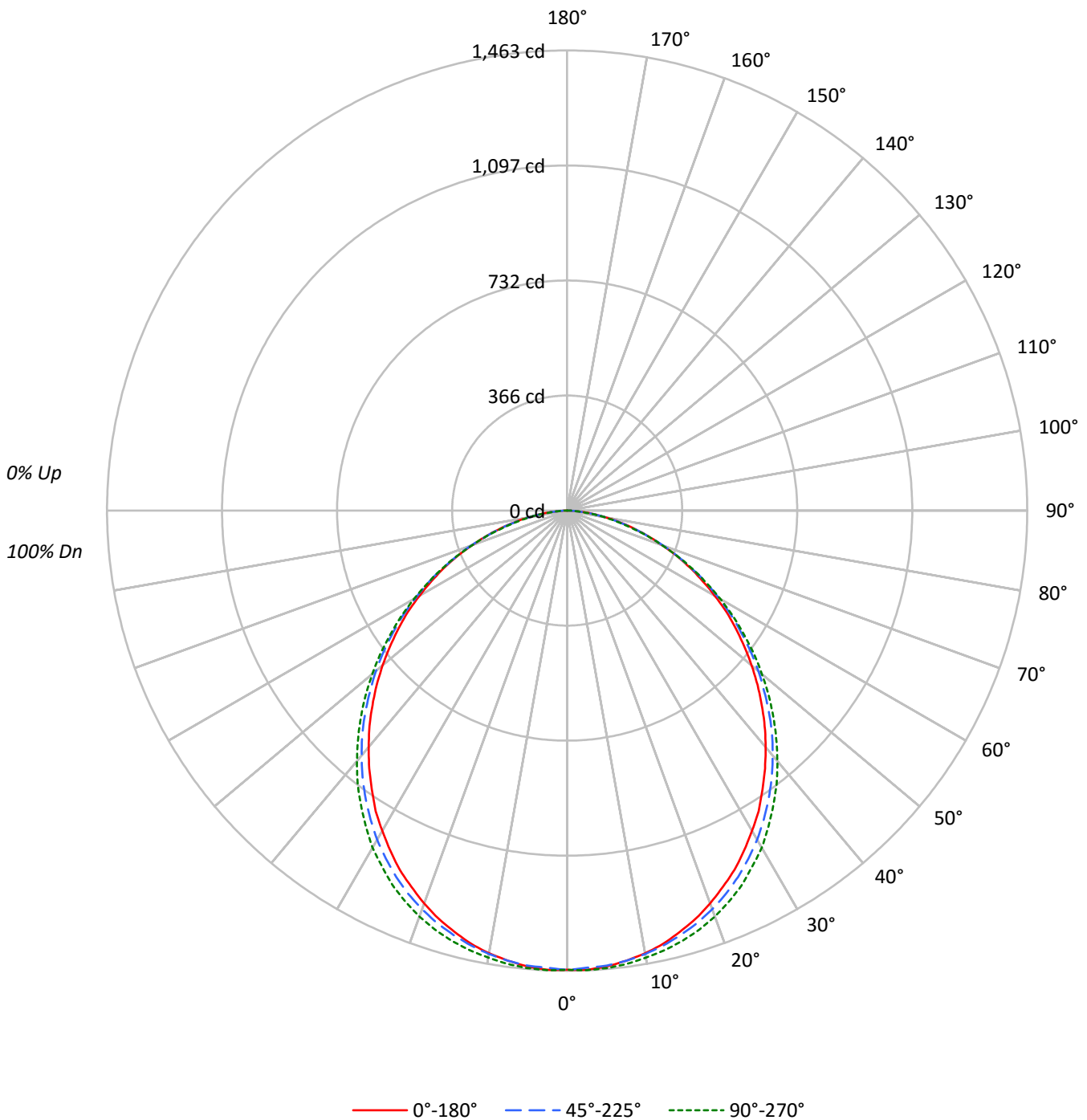
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1964	1964	1964
5°	1965	1962	1972
10°	1952	1956	1972
15°	1931	1946	1973
20°	1903	1931	1966
25°	1870	1908	1951
30°	1826	1877	1923
35°	1778	1835	1878
40°	1724	1785	1826
45°	1666	1727	1764
50°	1603	1662	1692
55°	1535	1584	1608
60°	1458	1496	1514
65°	1375	1396	1404
70°	1262	1277	1262
75°	1136	1130	1096
80°	962	952	922
85°	719	699	619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.2	3.6
10°-20°	394.9	10.3
20°-30°	592.1	15.4
30°-40°	697.3	18.2
40°-50°	697.4	18.2
50°-60°	601.7	15.7
60°-70°	433.0	11.3
70°-80°	229.7	6.0
80°-90°	54.8	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°	1125.2	29.3
0°-40°	1822.5	47.5
0°-60°	3121.6	81.3
0°-90°	3839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1460	1460	1460	1460	1460	
5°	1455	1454	1452	1458	1460	138
15°	1386	1390	1397	1411	1416	391
25°	1260	1267	1286	1307	1314	579
35°	1082	1095	1117	1137	1143	677
45°	876	887	908	923	927	675
55°	654	661	675	687	685	586
65°	432	433	438	441	441	427
75°	219	216	217	212	211	233
85°	47	47	45	41	40	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1460.0	1460.0	1460.0	1460.0	1460.0
2.5°	1461.3	1458.7	1454.9	1460.0	1462.6
5°	1454.9	1453.6	1452.3	1457.5	1460.0
7.5°	1443.2	1444.5	1443.2	1451.0	1453.6
10°	1429.0	1430.3	1431.6	1440.6	1443.2
12.5°	1410.9	1412.2	1416.1	1427.7	1431.6
15°	1386.3	1390.2	1396.7	1410.9	1416.1
17.5°	1360.5	1365.6	1374.7	1391.5	1396.7
20°	1329.4	1335.9	1348.8	1366.9	1373.4
22.5°	1294.5	1301.0	1319.1	1338.5	1344.9
25°	1259.6	1267.4	1285.5	1307.4	1313.9
27.5°	1218.2	1228.6	1248.0	1269.9	1275.1
30°	1175.5	1184.6	1207.9	1228.6	1237.6
32.5°	1132.9	1141.9	1163.9	1184.6	1191.1
35°	1082.4	1095.4	1117.3	1136.7	1143.2
37.5°	1033.3	1044.9	1068.2	1087.6	1094.1
40°	981.6	991.9	1016.5	1034.6	1039.7
42.5°	929.8	940.2	964.7	979.0	984.1
45°	875.5	887.1	907.8	923.4	927.2
47.5°	821.2	830.2	849.6	863.9	869.0
50°	765.6	774.6	794.0	805.7	808.3
52.5°	710.0	716.4	734.5	744.9	748.8
55°	654.4	660.8	675.1	686.7	685.4
57.5°	601.3	603.9	618.2	625.9	625.9
60°	541.9	544.4	556.1	561.3	562.5
62.5°	486.2	490.1	499.2	500.5	500.5
65°	431.9	433.2	438.4	441.0	441.0
67.5°	377.6	376.3	381.5	381.5	380.2
70°	320.7	323.3	324.6	322.0	320.7
72.5°	269.0	267.7	267.7	266.4	266.4
75°	218.6	216.0	217.3	212.1	210.8
77.5°	172.0	168.1	166.8	164.2	161.7
80°	124.1	124.1	122.9	120.3	119.0
82.5°	82.8	82.8	81.5	78.9	76.3
85°	46.6	46.6	45.3	41.4	40.1
87.5°	15.5	15.5	15.5	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)