

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: P296771

Luminaire Tested: **D3X-WD-36L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3442.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

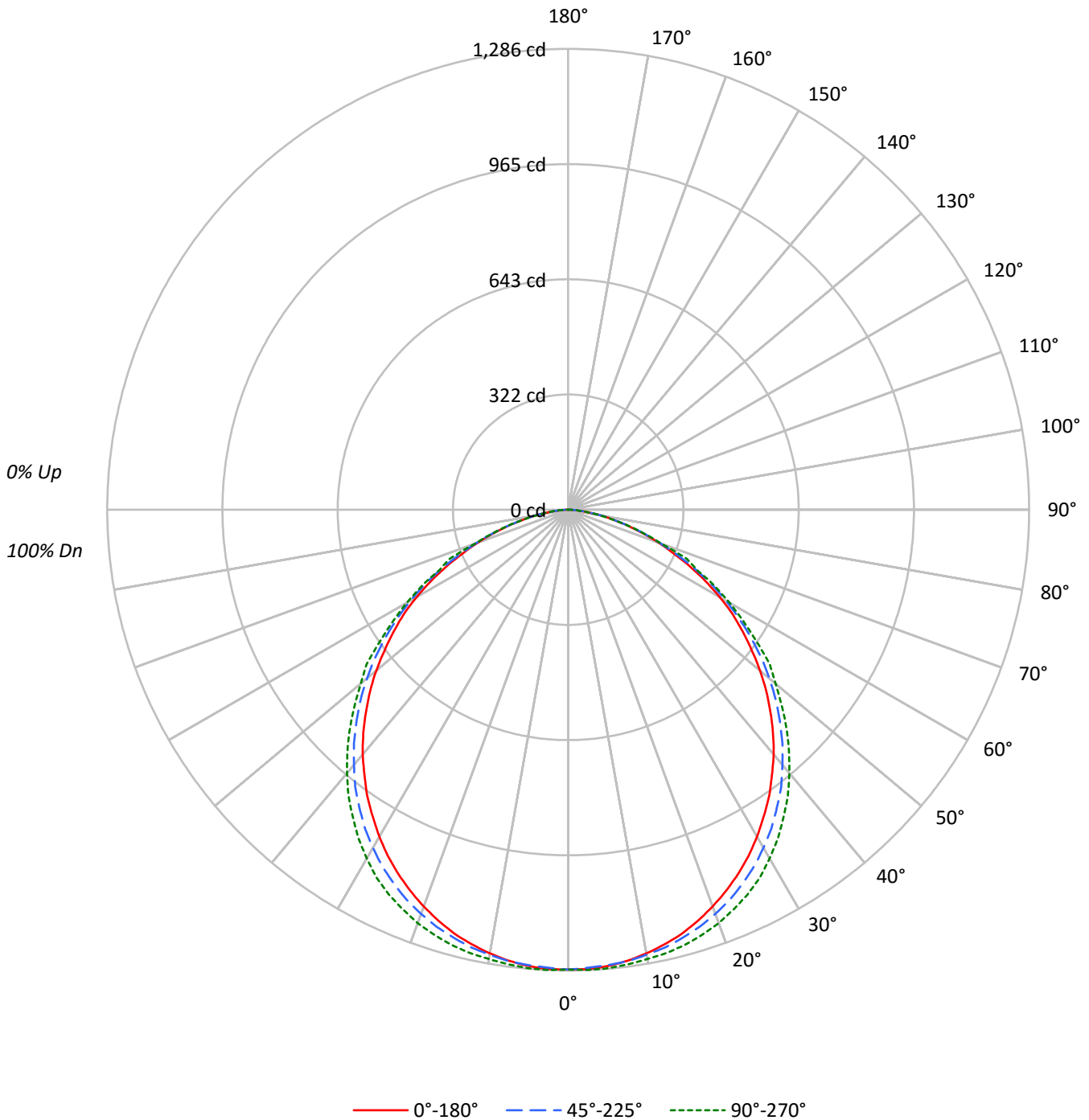
Input Watts (W): 25.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1727	1727	1727
5°	1726	1723	1735
10°	1718	1723	1740
15°	1707	1722	1751
20°	1687	1719	1758
25°	1665	1709	1758
30°	1637	1692	1746
35°	1605	1668	1720
40°	1566	1633	1685
45°	1518	1589	1638
50°	1463	1533	1580
55°	1396	1460	1504
60°	1316	1366	1399
65°	1195	1235	1258
70°	1050	1074	1088
75°	886	899	905
80°	708	717	699
85°	477	496	477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	3.5
10°-20°	349.7	10.2
20°-30°	530.6	15.4
30°-40°	633.5	18.4
40°-50°	641.3	18.6
50°-60°	554.3	16.1
60°-70°	384.2	11.2
70°-80°	185.9	5.4
80°-90°	40.9	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°	1001.9	29.1
0°-40°	1635.4	47.5
0°-60°	2831.0	82.2
0°-90°	3442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3442.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1278	1277	1276	1282	1284	121
15°	1225	1228	1236	1251	1257	345
25°	1121	1129	1151	1174	1184	516
35°	977	986	1015	1041	1047	610
45°	798	809	835	856	861	615
55°	595	601	622	648	641	532
65°	375	379	388	394	395	372
75°	170	172	173	172	174	183
85°	31	33	32	31	31	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1283.2	1281.9	1279.4	1283.2	1285.6
5°	1278.2	1277.0	1275.7	1281.9	1284.4
7.5°	1269.6	1269.6	1270.8	1277.0	1279.4
10°	1257.2	1258.5	1260.9	1270.8	1273.3
12.5°	1242.4	1244.9	1251.0	1262.2	1267.1
15°	1225.1	1227.6	1236.2	1251.0	1257.2
17.5°	1202.9	1207.8	1220.2	1237.5	1243.6
20°	1178.2	1184.4	1200.4	1220.2	1227.6
22.5°	1151.0	1157.2	1178.2	1199.2	1206.6
25°	1121.4	1128.8	1151.0	1174.5	1184.4
27.5°	1089.3	1097.9	1122.6	1147.3	1157.2
30°	1053.4	1063.3	1089.3	1115.2	1123.8
32.5°	1015.2	1025.0	1054.7	1079.4	1088.0
35°	976.9	985.5	1015.2	1041.1	1047.3
37.5°	933.7	943.5	975.6	997.9	1006.5
40°	891.7	901.5	929.9	952.2	959.6
42.5°	846.0	855.8	884.3	905.2	911.4
45°	797.8	808.9	834.9	855.8	860.8
47.5°	749.6	758.3	785.5	804.0	807.7
50°	699.0	707.6	732.3	750.9	754.6
52.5°	645.9	659.5	679.2	692.8	708.9
55°	595.3	601.4	622.4	648.4	641.0
57.5°	544.6	548.3	565.6	576.7	579.2
60°	489.1	494.0	507.6	513.8	519.9
62.5°	431.0	434.7	450.8	456.9	459.4
65°	375.4	379.1	387.8	394.0	395.2
67.5°	318.6	322.3	329.7	334.7	356.9
70°	266.8	269.2	272.9	282.8	276.6
72.5°	217.4	218.6	222.3	222.3	223.5
75°	170.4	171.7	172.9	171.7	174.1
77.5°	127.2	129.7	130.9	129.7	128.4
80°	91.4	93.9	92.6	90.2	90.2
82.5°	59.3	60.5	59.3	58.0	58.0
85°	30.9	33.3	32.1	30.9	30.9
87.5°	11.1	12.3	13.6	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)