

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: P297192

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-36L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3130.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

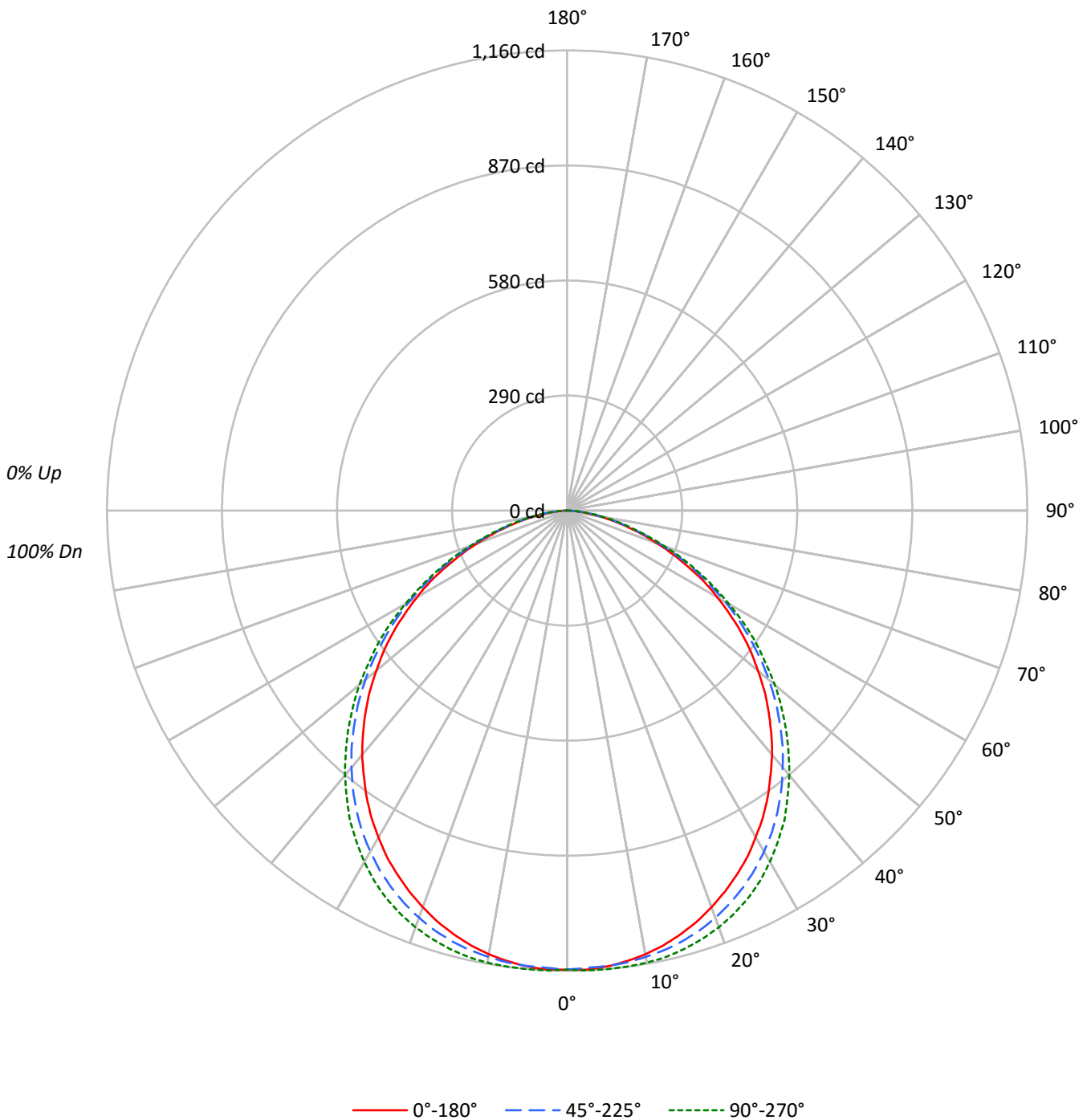
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1557	1557	1557
5°	1558	1557	1567
10°	1552	1561	1581
15°	1540	1565	1593
20°	1523	1564	1601
25°	1503	1556	1601
30°	1477	1542	1589
35°	1448	1519	1567
40°	1412	1485	1530
45°	1368	1442	1485
50°	1314	1389	1432
55°	1257	1320	1362
60°	1177	1237	1267
65°	1074	1131	1160
70°	944	993	1019
75°	799	840	869
80°	634	695	712
85°	432	519	502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.5
10°-20°	317.4	10.1
20°-30°	482.4	15.4
30°-40°	575.6	18.4
40°-50°	581.3	18.6
50°-60°	500.9	16.0
60°-70°	349.1	11.2
70°-80°	173.0	5.5
80°-90°	40.3	1.3
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°	909.7	29.1
0°-40°	1485.3	47.5
0°-60°	2567.5	82.0
0°-90°	3130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1154	1153	1153	1158	1160	110
15°	1106	1111	1124	1138	1144	312
25°	1012	1026	1048	1070	1079	466
35°	881	896	925	946	954	551
45°	719	734	758	776	780	554
55°	536	547	563	576	581	478
65°	338	344	355	359	364	335
75°	154	156	162	165	167	166
85°	28	34	34	31	32	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.1	1157.1	1157.1	1157.1	1157.1
2.5°	1158.2	1156.0	1153.7	1158.2	1160.5
5°	1153.7	1152.6	1152.6	1158.2	1160.5
7.5°	1145.9	1145.9	1149.2	1157.1	1159.3
10°	1135.8	1138.0	1142.5	1153.7	1157.1
12.5°	1122.3	1126.8	1134.7	1148.1	1152.6
15°	1105.5	1111.1	1123.5	1138.0	1143.6
17.5°	1086.5	1094.3	1110.0	1126.8	1132.4
20°	1064.0	1074.1	1092.1	1111.1	1117.9
22.5°	1039.4	1051.7	1071.9	1092.1	1099.9
25°	1012.5	1025.9	1048.3	1069.6	1078.6
27.5°	984.4	997.9	1022.5	1043.9	1052.8
30°	950.8	966.5	992.3	1014.7	1022.5
32.5°	918.3	934.0	960.9	981.1	988.9
35°	881.3	895.9	925.0	946.3	954.2
37.5°	842.0	858.9	886.9	905.9	912.7
40°	803.9	818.5	845.4	864.5	871.2
42.5°	761.3	777.0	803.9	820.7	826.3
45°	718.7	734.4	757.9	775.9	780.4
47.5°	675.0	689.5	713.1	727.7	732.2
50°	627.9	641.3	663.8	678.3	683.9
52.5°	583.0	595.4	614.4	626.8	630.1
55°	535.9	547.2	562.9	576.3	580.8
57.5°	485.5	497.8	512.4	523.6	527.0
60°	437.3	447.4	459.7	469.8	470.9
62.5°	390.2	394.7	405.9	414.8	416.0
65°	337.5	344.2	355.4	358.8	364.4
67.5°	289.3	293.8	302.7	307.2	311.7
70°	239.9	243.3	252.3	257.9	259.0
72.5°	197.3	198.5	205.2	209.7	210.8
75°	153.6	155.8	161.5	164.8	167.1
77.5°	116.6	118.8	123.3	125.6	125.6
80°	81.8	85.2	89.7	90.8	91.9
82.5°	52.7	57.2	60.5	61.7	59.4
85°	28.0	33.6	33.6	31.4	32.5
87.5°	10.1	12.3	13.5	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)