

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: P297191

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297191
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-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3051.0 lumens
Efficiency: N/A
Efficacy: 119.6 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

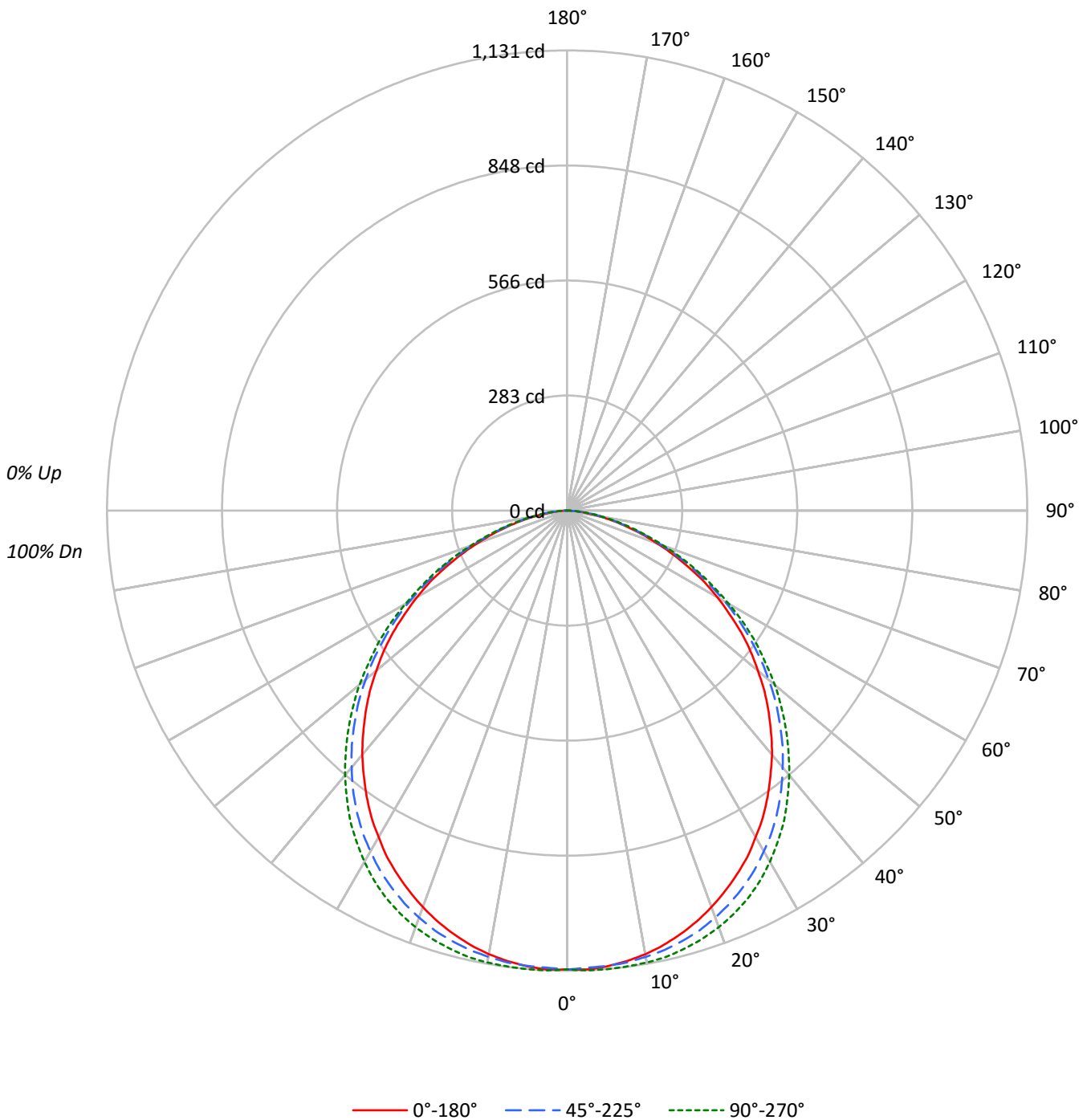
Input Watts (W): 25.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1518	1518	1518
5°	1519	1517	1528
10°	1513	1522	1541
15°	1501	1525	1553
20°	1485	1524	1560
25°	1465	1517	1561
30°	1440	1503	1549
35°	1411	1481	1528
40°	1376	1447	1492
45°	1333	1406	1447
50°	1281	1354	1396
55°	1225	1287	1328
60°	1147	1206	1235
65°	1047	1103	1131
70°	920	967	993
75°	778	818	846
80°	618	677	694
85°	421	506	489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.5
10°-20°	309.4	10.1
20°-30°	470.2	15.4
30°-40°	561.1	18.4
40°-50°	566.7	18.6
50°-60°	488.2	16.0
60°-70°	340.3	11.2
70°-80°	168.7	5.5
80°-90°	39.3	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°	886.8	29.1
0°-40°	1447.8	47.5
0°-60°	2502.7	82.0
0°-90°	3051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1125	1124	1124	1129	1131	107
15°	1078	1083	1095	1109	1115	304
25°	987	1000	1022	1043	1051	455
35°	859	873	902	922	930	537
45°	701	716	739	756	761	540
55°	522	533	549	562	566	466
65°	329	336	346	350	355	327
75°	150	152	157	161	163	161
85°	27	33	33	31	32	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1129.0	1126.8	1124.6	1129.0	1131.2
5°	1124.6	1123.5	1123.5	1129.0	1131.2
7.5°	1117.0	1117.0	1120.2	1127.9	1130.1
10°	1107.1	1109.3	1113.7	1124.6	1127.9
12.5°	1094.0	1098.4	1106.0	1119.1	1123.5
15°	1077.6	1083.1	1095.1	1109.3	1114.8
17.5°	1059.0	1066.7	1082.0	1098.4	1103.8
20°	1037.2	1047.0	1064.5	1083.1	1089.6
22.5°	1013.1	1025.2	1044.8	1064.5	1072.2
25°	986.9	1000.0	1021.9	1042.6	1051.4
27.5°	959.6	972.7	996.7	1017.5	1026.2
30°	926.8	942.1	967.2	989.1	996.7
32.5°	895.1	910.4	936.6	956.3	964.0
35°	859.0	873.2	901.7	922.4	930.1
37.5°	820.8	837.2	864.5	883.1	889.6
40°	783.6	797.8	824.1	842.6	849.2
42.5°	742.1	757.4	783.6	800.0	805.5
45°	700.6	715.9	738.8	756.3	760.7
47.5°	657.9	672.1	695.1	709.3	713.7
50°	612.0	625.1	647.0	661.2	666.7
52.5°	568.3	580.3	598.9	610.9	614.2
55°	522.4	533.3	548.6	561.8	566.1
57.5°	473.2	485.3	499.5	510.4	513.7
60°	426.2	436.1	448.1	457.9	459.0
62.5°	380.3	384.7	395.6	404.4	405.5
65°	329.0	335.5	346.5	349.7	355.2
67.5°	282.0	286.3	295.1	299.5	303.8
70°	233.9	237.2	245.9	251.4	252.5
72.5°	192.4	193.4	200.0	204.4	205.5
75°	149.7	151.9	157.4	160.7	162.8
77.5°	113.7	115.8	120.2	122.4	122.4
80°	79.8	83.1	87.4	88.5	89.6
82.5°	51.4	55.7	59.0	60.1	57.9
85°	27.3	32.8	32.8	30.6	31.7
87.5°	9.8	12.0	13.1	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)