

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: P297463

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297463
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-31L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2809.0 lumens
Efficiency: N/A
Efficacy: 130.0 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

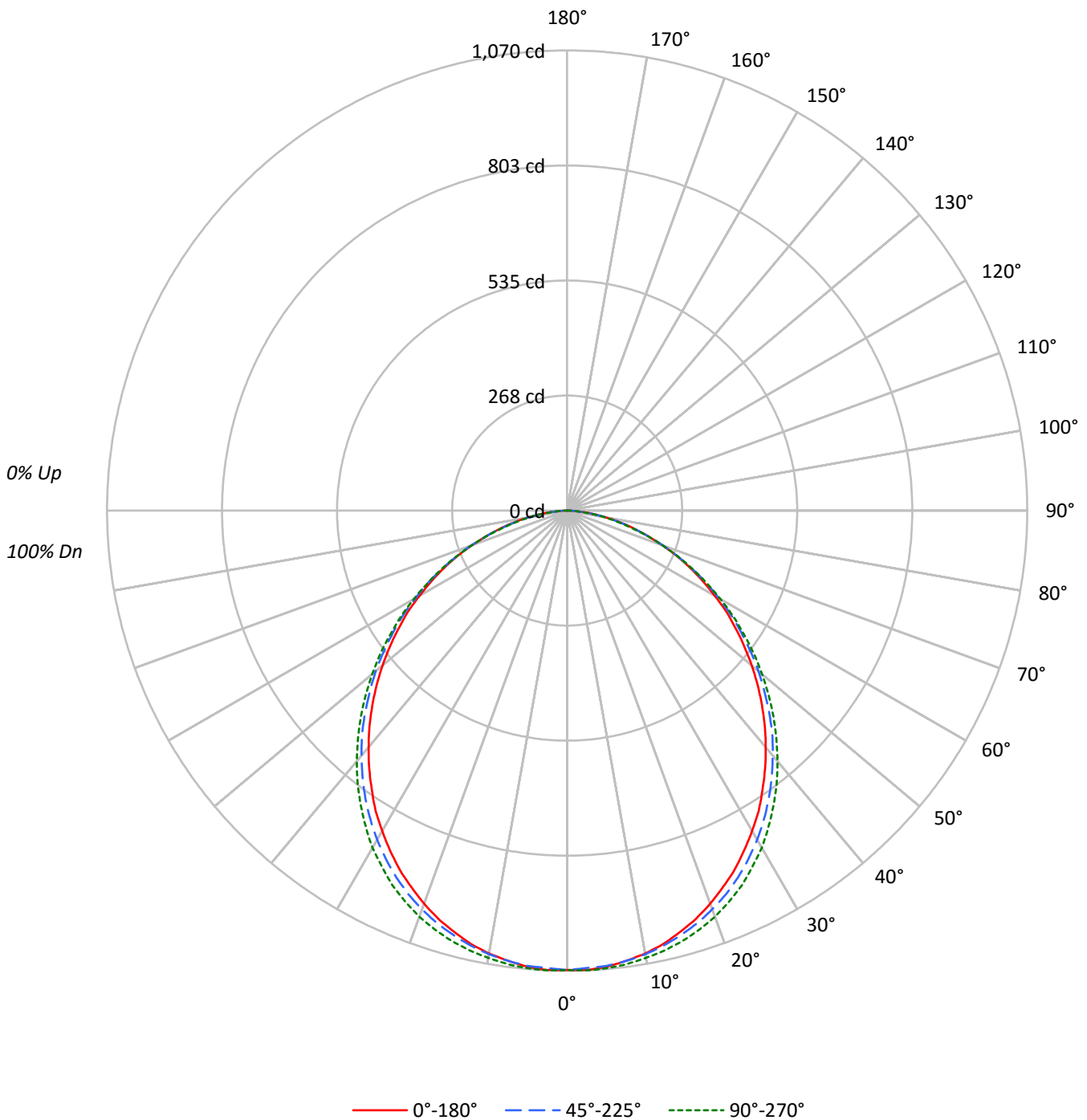
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1437	1437	1437
5°	1438	1435	1443
10°	1429	1431	1443
15°	1413	1423	1443
20°	1393	1413	1439
25°	1368	1396	1427
30°	1336	1373	1407
35°	1301	1343	1374
40°	1261	1306	1336
45°	1219	1264	1291
50°	1173	1216	1238
55°	1123	1159	1176
60°	1067	1095	1108
65°	1006	1021	1027
70°	923	934	923
75°	831	827	802
80°	704	697	675
85°	526	511	452



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	3.6
10°-20°	288.9	10.3
20°-30°	433.2	15.4
30°-40°	510.2	18.2
40°-50°	510.3	18.2
50°-60°	440.3	15.7
60°-70°	316.8	11.3
70°-80°	168.0	6.0
80°-90°	40.1	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°	823.3	29.3
0°-40°	1333.5	47.5
0°-60°	2284.1	81.3
0°-90°	2809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1064	1064	1063	1066	1068	101
15°	1014	1017	1022	1032	1036	286
25°	922	927	941	957	961	424
35°	792	802	818	832	836	495
45°	641	649	664	676	678	494
55°	479	484	494	502	502	428
65°	316	317	321	323	323	313
75°	160	158	159	155	154	170
85°	34	34	33	30	29	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1068.3	1068.3	1068.3	1068.3	1068.3
2.5°	1069.3	1067.4	1064.5	1068.3	1070.2
5°	1064.5	1063.6	1062.6	1066.4	1068.3
7.5°	1056.0	1057.0	1056.0	1061.7	1063.6
10°	1045.6	1046.6	1047.5	1054.1	1056.0
12.5°	1032.4	1033.3	1036.1	1044.7	1047.5
15°	1014.4	1017.2	1021.9	1032.4	1036.1
17.5°	995.5	999.2	1005.9	1018.2	1021.9
20°	972.7	977.5	986.9	1000.2	1004.9
22.5°	947.2	951.9	965.2	979.4	984.1
25°	921.6	927.3	940.6	956.7	961.4
27.5°	891.4	898.9	913.1	929.2	933.0
30°	860.1	866.8	883.8	898.9	905.6
32.5°	828.9	835.5	851.6	866.8	871.5
35°	792.0	801.5	817.6	831.8	836.5
37.5°	756.1	764.6	781.6	795.8	800.5
40°	718.2	725.8	743.8	757.0	760.8
42.5°	680.4	687.9	705.9	716.3	720.1
45°	640.6	649.1	664.3	675.6	678.5
47.5°	600.9	607.5	621.7	632.1	635.9
50°	560.2	566.8	581.0	589.5	591.4
52.5°	519.5	524.2	537.5	545.0	547.9
55°	478.8	483.5	493.9	502.5	501.5
57.5°	440.0	441.9	452.3	458.0	458.0
60°	396.5	398.4	406.9	410.7	411.6
62.5°	355.8	358.6	365.3	366.2	366.2
65°	316.0	317.0	320.8	322.7	322.7
67.5°	276.3	275.4	279.1	279.1	278.2
70°	234.7	236.6	237.5	235.6	234.7
72.5°	196.8	195.9	195.9	194.9	194.9
75°	159.9	158.0	159.0	155.2	154.2
77.5°	125.9	123.0	122.1	120.2	118.3
80°	90.8	90.8	89.9	88.0	87.1
82.5°	60.6	60.6	59.6	57.7	55.8
85°	34.1	34.1	33.1	30.3	29.3
87.5°	11.4	11.4	11.4	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)