

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: P297184

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297184
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-31L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2695.0 lumens
Efficiency: N/A
Efficacy: 124.2 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

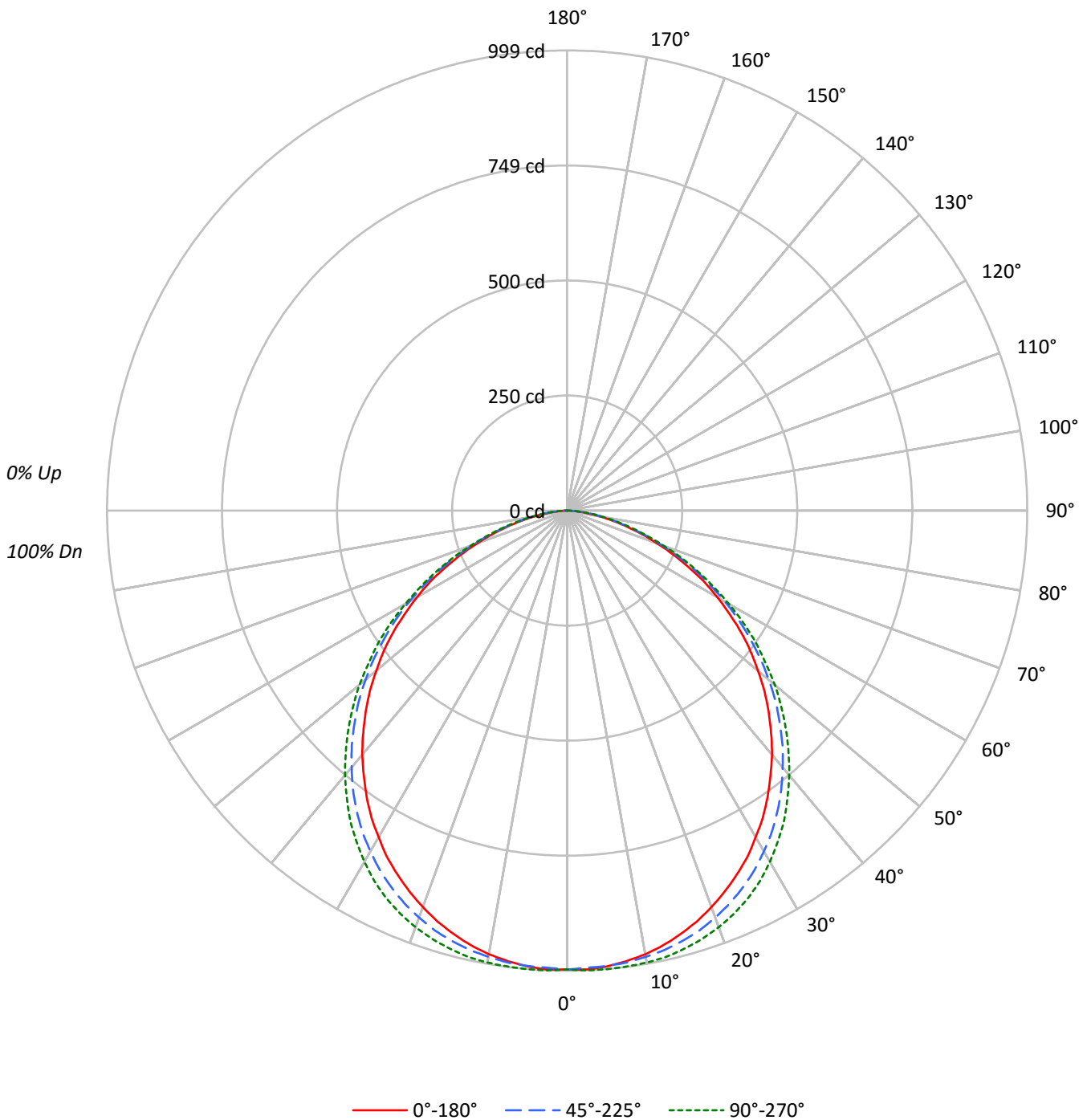
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1341	1341	1341
5°	1342	1340	1350
10°	1336	1344	1361
15°	1326	1347	1372
20°	1312	1346	1378
25°	1294	1340	1379
30°	1272	1327	1368
35°	1246	1308	1349
40°	1216	1278	1317
45°	1177	1242	1278
50°	1132	1196	1233
55°	1083	1137	1173
60°	1013	1065	1091
65°	925	974	999
70°	813	854	877
75°	688	723	748
80°	546	598	614
85°	372	448	432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	3.5
10°-20°	273.3	10.1
20°-30°	415.3	15.4
30°-40°	495.6	18.4
40°-50°	500.5	18.6
50°-60°	431.2	16.0
60°-70°	300.6	11.2
70°-80°	149.0	5.5
80°-90°	34.7	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°	783.3	29.1
0°-40°	1278.9	47.5
0°-60°	2210.6	82.0
0°-90°	2695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	993	992	992	997	999	94
15°	952	957	967	980	985	268
25°	872	883	903	921	929	402
35°	759	771	796	815	822	474
45°	619	632	653	668	672	477
55°	462	471	485	496	500	411
65°	291	296	306	309	314	289
75°	132	134	139	142	144	143
85°	24	29	29	27	28	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.3	996.3	996.3	996.3	996.3
2.5°	997.2	995.3	993.4	997.2	999.2
5°	993.4	992.4	992.4	997.2	999.2
7.5°	986.6	986.6	989.5	996.3	998.2
10°	977.9	979.9	983.7	993.4	996.3
12.5°	966.4	970.2	977.0	988.6	992.4
15°	951.9	956.7	967.3	979.9	984.7
17.5°	935.5	942.2	955.7	970.2	975.0
20°	916.2	924.8	940.3	956.7	962.5
22.5°	894.9	905.5	922.9	940.3	947.0
25°	871.7	883.3	902.6	921.0	928.7
27.5°	847.6	859.2	880.4	898.8	906.5
30°	818.7	832.2	854.4	873.7	880.4
32.5°	790.7	804.2	827.3	844.7	851.5
35°	758.8	771.3	796.4	814.8	821.5
37.5°	725.0	739.5	763.6	780.0	785.8
40°	692.2	704.7	727.9	744.3	750.1
42.5°	655.5	669.0	692.2	706.7	711.5
45°	618.8	632.3	652.6	668.1	671.9
47.5°	581.2	593.7	614.0	626.5	630.4
50°	540.6	552.2	571.5	584.1	588.9
52.5°	502.0	512.6	529.0	539.7	542.6
55°	461.5	471.1	484.6	496.2	500.1
57.5°	418.0	428.6	441.2	450.8	453.7
60°	376.5	385.2	395.8	404.5	405.5
62.5°	336.0	339.8	349.5	357.2	358.2
65°	290.6	296.4	306.0	308.9	313.8
67.5°	249.1	252.9	260.7	264.5	268.4
70°	206.6	209.5	217.2	222.0	223.0
72.5°	169.9	170.9	176.7	180.5	181.5
75°	132.3	134.2	139.0	141.9	143.8
77.5°	100.4	102.3	106.2	108.1	108.1
80°	70.5	73.4	77.2	78.2	79.2
82.5°	45.4	49.2	52.1	53.1	51.2
85°	24.1	29.0	29.0	27.0	28.0
87.5°	8.7	10.6	11.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)