

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: P297819

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-35L92765-LD5-UNV-14-T1-W2A-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3207.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

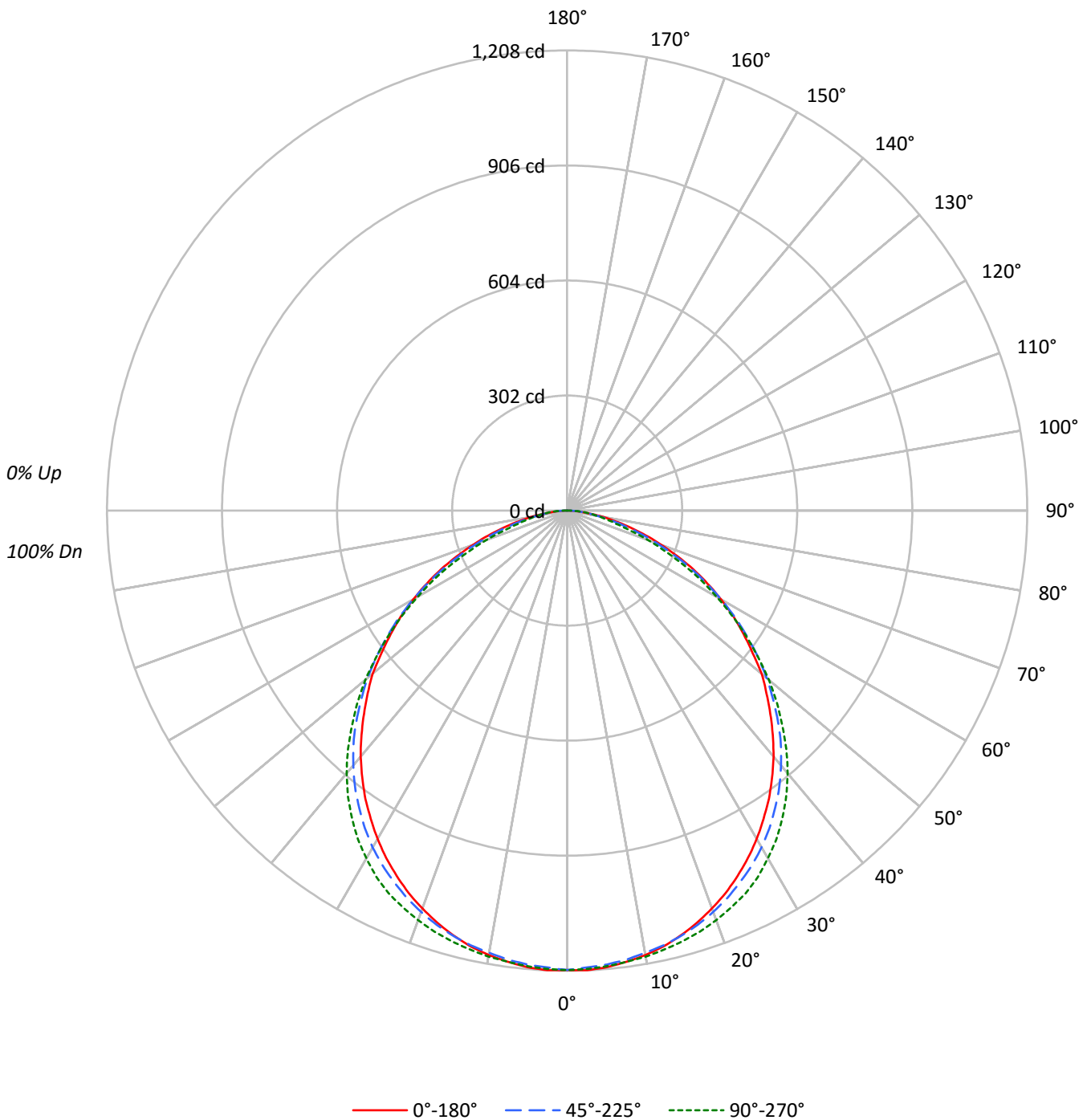
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3246	3246	3246
5°	3250	3231	3243
10°	3237	3221	3249
15°	3216	3220	3260
20°	3183	3212	3277
25°	3143	3194	3292
30°	3093	3173	3275
35°	3034	3128	3236
40°	2962	3068	3164
45°	2871	2980	3040
50°	2792	2864	2894
55°	2651	2705	2691
60°	2509	2509	2439
65°	2329	2274	2146
70°	2065	1975	1783
75°	1789	1625	1371
80°	1468	1266	1244
85°	976	1152	1241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	3.6
10°-20°	327.3	10.2
20°-30°	497.5	15.5
30°-40°	595.6	18.6
40°-50°	600.8	18.7
50°-60°	511.8	16.0
60°-70°	349.9	10.9
70°-80°	167.6	5.2
80°-90°	42.4	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°	938.9	29.3
0°-40°	1534.5	47.8
0°-60°	2647.1	82.5
0°-90°	3207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1203	1202	1196	1202	1200	114
15°	1154	1152	1156	1169	1170	326
25°	1058	1060	1076	1100	1109	488
35°	924	926	952	980	985	577
45°	754	760	783	799	799	582
55°	565	568	576	578	574	506
65°	366	358	357	344	337	361
75°	172	169	156	136	132	184
85°	32	34	37	39	40	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.1	1206.1	1206.1	1206.1	1206.1
2.5°	1207.5	1206.1	1200.4	1206.1	1204.7
5°	1203.2	1201.8	1196.1	1201.8	1200.4
7.5°	1194.6	1193.2	1188.9	1194.6	1194.6
10°	1184.6	1181.7	1178.8	1187.4	1188.9
12.5°	1171.7	1168.8	1168.8	1178.8	1180.3
15°	1154.5	1151.6	1155.9	1168.8	1170.2
17.5°	1134.4	1133.0	1140.1	1155.9	1158.8
20°	1111.4	1110.0	1121.5	1140.1	1144.4
22.5°	1087.1	1087.1	1100.0	1121.5	1127.2
25°	1058.4	1059.8	1075.6	1100.0	1108.6
27.5°	1028.3	1031.1	1049.8	1077.0	1084.2
30°	995.3	999.6	1021.1	1046.9	1054.1
32.5°	959.4	963.7	988.1	1015.4	1022.5
35°	923.6	926.4	952.3	979.5	985.2
37.5°	883.4	887.7	915.0	939.3	945.1
40°	843.3	847.6	873.4	896.3	900.6
42.5°	798.8	804.5	830.4	849.0	851.9
45°	754.3	760.1	783.0	798.8	798.8
47.5°	709.9	712.8	732.8	748.6	747.2
50°	666.9	665.4	684.1	691.2	691.2
52.5°	613.8	618.1	631.0	635.3	631.0
55°	565.0	567.9	576.5	577.9	573.6
57.5°	517.7	516.3	523.5	519.2	513.4
60°	466.1	466.1	466.1	461.8	453.2
62.5°	415.9	413.0	411.6	401.6	397.3
65°	365.7	358.5	357.1	344.2	337.0
67.5°	312.6	309.8	302.6	289.7	276.8
70°	262.4	259.6	251.0	235.2	226.6
72.5°	216.6	213.7	202.2	183.6	172.1
75°	172.1	169.2	156.3	136.2	131.9
77.5°	130.5	129.1	116.2	106.1	104.7
80°	94.7	93.2	81.7	81.7	80.3
82.5°	60.2	60.2	57.4	58.8	60.2
85°	31.6	34.4	37.3	38.7	40.2
87.5°	10.0	15.8	18.6	20.1	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)