

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: P298450

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3207.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

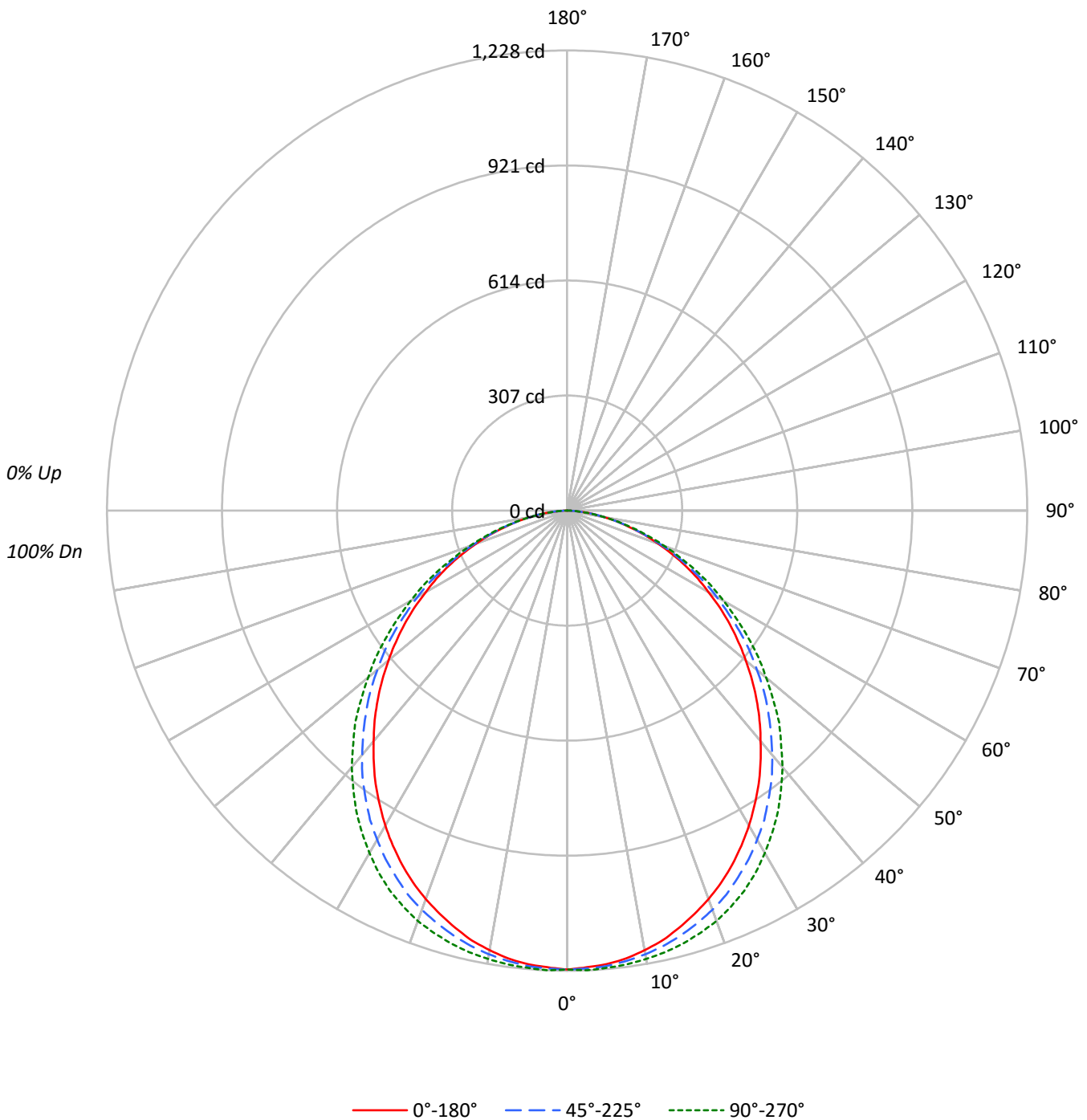
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	48	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	31	43	35	30	41	35	30	40	34	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°	3296	3296	3296
5°	3282	3295	3308
10°	3255	3286	3320
15°	3212	3270	3332
20°	3160	3247	3338
25°	3096	3205	3323
30°	3017	3151	3280
35°	2927	3079	3221
40°	2821	2990	3141
45°	2723	2887	3044
50°	2607	2768	2901
55°	2487	2637	2764
60°	2346	2484	2595
65°	2216	2298	2409
70°	2035	2098	2173
75°	1809	1859	1909
80°	1559	1534	1534
85°	1183	1084	985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.6
10°-20°	331.1	10.3
20°-30°	497.2	15.5
30°-40°	585.2	18.2
40°-50°	583.7	18.2
50°-60°	500.9	15.6
60°-70°	358.7	11.2
70°-80°	190.0	5.9
80°-90°	44.4	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°	944.2	29.4
0°-40°	1529.4	47.7
0°-60°	2613.9	81.5
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°	1225	1225	1225	1225	1225	
5°	1215	1215	1220	1223	1225	115
15°	1153	1158	1174	1190	1196	325
25°	1043	1052	1079	1107	1119	480
35°	891	902	937	969	980	557
45°	715	726	758	786	800	551
55°	530	538	562	581	589	474
65°	348	350	361	375	378	344
75°	174	174	179	182	184	187
85°	38	37	35	32	32	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1224.7	1224.7	1224.7	1224.7	1224.7
2.5°	1219.9	1219.9	1223.1	1226.3	1227.9
5°	1215.1	1215.1	1219.9	1223.1	1224.7
7.5°	1205.6	1205.6	1212.0	1218.3	1221.5
10°	1191.2	1194.4	1202.4	1212.0	1215.1
12.5°	1175.2	1178.4	1189.6	1202.4	1207.2
15°	1152.9	1157.7	1173.6	1189.6	1196.0
17.5°	1128.9	1135.3	1154.5	1173.6	1181.6
20°	1103.4	1109.8	1133.7	1156.1	1165.6
22.5°	1074.6	1082.6	1109.8	1133.7	1143.3
25°	1042.7	1052.3	1079.4	1106.6	1119.3
27.5°	1007.6	1018.7	1049.1	1077.8	1089.0
30°	970.8	983.6	1014.0	1044.3	1055.5
32.5°	930.9	942.1	978.8	1007.6	1018.7
35°	891.0	902.2	937.3	969.2	980.4
37.5°	847.9	862.3	897.4	926.1	937.3
40°	803.2	817.5	851.1	884.6	894.2
42.5°	760.1	772.8	804.8	835.1	844.7
45°	715.4	726.5	758.5	785.6	800.0
47.5°	669.0	680.2	712.2	737.7	745.7
50°	622.7	633.9	661.1	683.4	693.0
52.5°	576.4	587.6	613.2	633.9	643.5
55°	530.1	538.1	562.1	581.2	589.2
57.5°	483.8	490.2	509.4	530.1	534.9
60°	435.9	443.9	461.5	475.8	482.2
62.5°	392.8	396.0	412.0	424.7	432.7
65°	348.1	349.7	360.9	375.2	378.4
67.5°	301.8	303.4	314.6	322.5	325.7
70°	258.7	258.7	266.7	273.0	276.2
72.5°	217.2	215.6	220.4	226.7	229.9
75°	174.0	174.0	178.8	182.0	183.6
77.5°	137.3	134.1	137.3	140.5	140.5
80°	100.6	99.0	99.0	100.6	99.0
82.5°	68.7	67.1	68.7	65.5	63.9
85°	38.3	36.7	35.1	31.9	31.9
87.5°	12.8	11.2	11.2	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)