

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: P298407

Luminaire Tested: **D3X-WO-35L93050-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298407
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-35L93050-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: 3306.0 lumens
Efficiency: N/A
Efficacy: 113.6 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

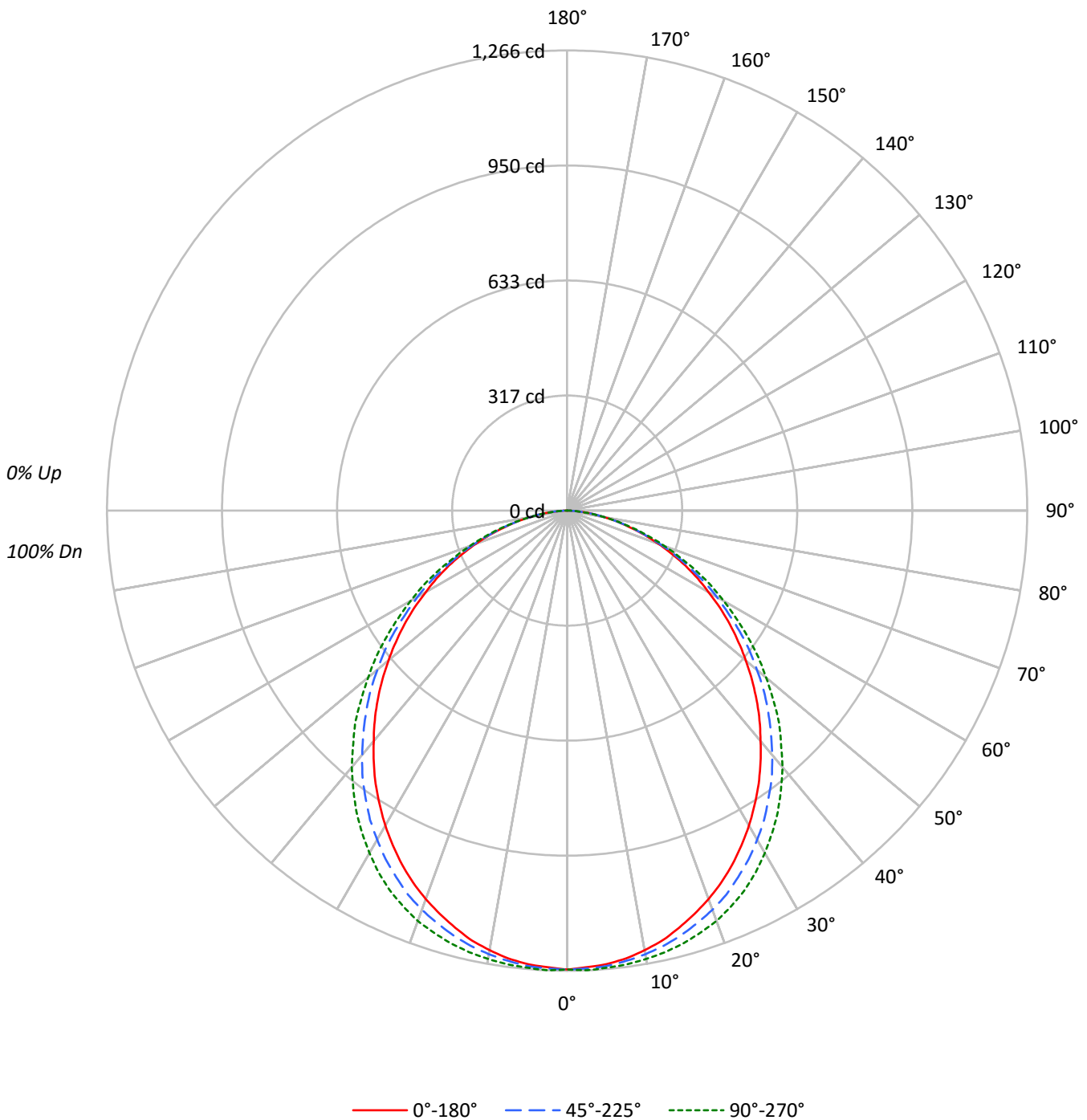
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3397	3397	3397
5°	3384	3397	3410
10°	3355	3387	3423
15°	3311	3371	3435
20°	3257	3347	3441
25°	3192	3304	3426
30°	3110	3248	3381
35°	3017	3174	3320
40°	2909	3082	3238
45°	2806	2976	3138
50°	2688	2853	2991
55°	2564	2718	2850
60°	2419	2560	2675
65°	2285	2369	2484
70°	2098	2163	2241
75°	1865	1917	1968
80°	1607	1582	1582
85°	1220	1118	1016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	3.6
10°-20°	341.4	10.3
20°-30°	512.5	15.5
30°-40°	603.2	18.2
40°-50°	601.7	18.2
50°-60°	516.3	15.6
60°-70°	369.8	11.2
70°-80°	195.9	5.9
80°-90°	45.8	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°	973.4	29.4
0°-40°	1576.6	47.7
0°-60°	2694.6	81.5
0°-90°	3306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1253	1253	1258	1261	1262	119
15°	1188	1193	1210	1226	1233	335
25°	1075	1085	1113	1141	1154	495
35°	918	930	966	999	1011	574
45°	737	749	782	810	825	568
55°	546	555	579	599	607	488
65°	359	360	372	387	390	354
75°	179	179	184	188	189	192
85°	40	38	36	33	33	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1262.5	1262.5	1262.5	1262.5	1262.5
2.5°	1257.6	1257.6	1260.9	1264.2	1265.8
5°	1252.7	1252.7	1257.6	1260.9	1262.5
7.5°	1242.8	1242.8	1249.4	1255.9	1259.2
10°	1228.0	1231.3	1239.5	1249.4	1252.7
12.5°	1211.5	1214.8	1226.3	1239.5	1244.4
15°	1188.5	1193.4	1209.9	1226.3	1232.9
17.5°	1163.8	1170.4	1190.1	1209.9	1218.1
20°	1137.4	1144.0	1168.7	1191.8	1201.6
22.5°	1107.8	1116.0	1144.0	1168.7	1178.6
25°	1074.9	1084.8	1112.7	1140.7	1153.9
27.5°	1038.7	1050.2	1081.5	1111.1	1122.6
30°	1000.8	1014.0	1045.3	1076.5	1088.0
32.5°	959.7	971.2	1009.0	1038.7	1050.2
35°	918.5	930.0	966.2	999.2	1010.7
37.5°	874.1	888.9	925.1	954.7	966.2
40°	828.0	842.8	877.4	911.9	921.8
42.5°	783.5	796.7	829.6	860.9	870.8
45°	737.4	749.0	781.9	809.9	824.7
47.5°	689.7	701.2	734.1	760.5	768.7
50°	642.0	653.5	681.5	704.5	714.4
52.5°	594.2	605.8	632.1	653.5	663.4
55°	546.5	554.7	579.4	599.2	607.4
57.5°	498.8	505.3	525.1	546.5	551.4
60°	449.4	457.6	475.7	490.5	497.1
62.5°	404.9	408.2	424.7	437.9	446.1
65°	358.8	360.5	372.0	386.8	390.1
67.5°	311.1	312.8	324.3	332.5	335.8
70°	266.7	266.7	274.9	281.5	284.8
72.5°	223.9	222.2	227.2	233.7	237.0
75°	179.4	179.4	184.4	187.7	189.3
77.5°	141.6	138.3	141.6	144.9	144.9
80°	103.7	102.1	102.1	103.7	102.1
82.5°	70.8	69.1	70.8	67.5	65.8
85°	39.5	37.9	36.2	32.9	32.9
87.5°	13.2	11.5	11.5	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)