

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: P298366

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298366
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-35L82765-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3596.0 lumens
Efficiency: N/A
Efficacy: 126.2 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

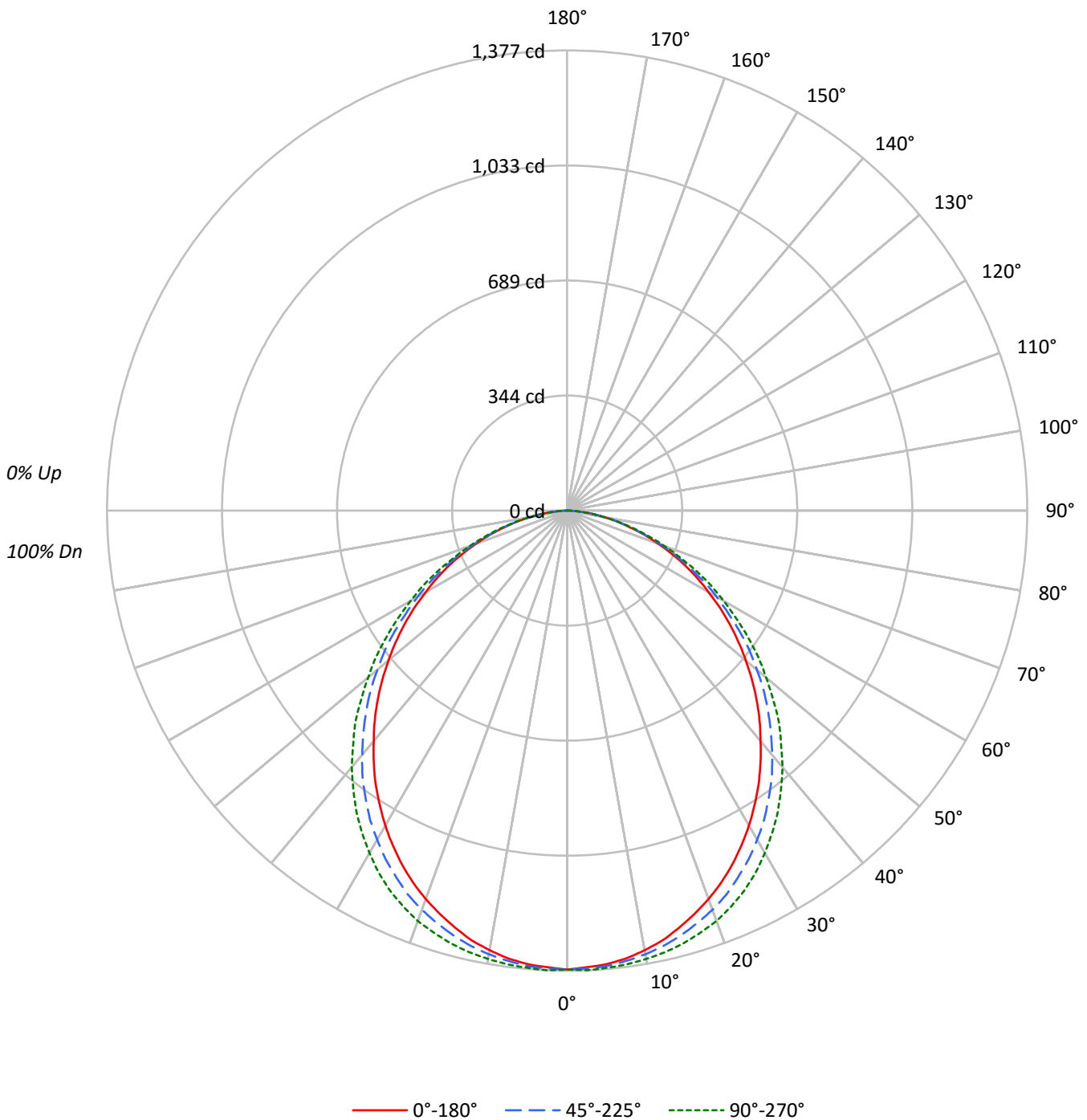
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3696	3696	3696
5°	3680	3695	3710
10°	3650	3684	3723
15°	3601	3666	3736
20°	3543	3640	3743
25°	3472	3594	3727
30°	3383	3533	3677
35°	3282	3453	3611
40°	3164	3352	3522
45°	3052	3237	3414
50°	2923	3103	3253
55°	2789	2957	3100
60°	2631	2785	2910
65°	2485	2576	2702
70°	2282	2353	2437
75°	2030	2085	2141
80°	1748	1720	1720
85°	1328	1216	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	3.6
10°-20°	371.3	10.3
20°-30°	557.5	15.5
30°-40°	656.1	18.2
40°-50°	654.5	18.2
50°-60°	561.6	15.6
60°-70°	402.2	11.2
70°-80°	213.0	5.9
80°-90°	49.8	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°	1058.7	29.4
0°-40°	1714.9	47.7
0°-60°	2930.9	81.5
0°-90°	3596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1373	1373	1373	1373	1373	
5°	1362	1362	1368	1372	1373	129
15°	1293	1298	1316	1334	1341	364
25°	1169	1180	1210	1241	1255	538
35°	999	1012	1051	1087	1099	624
45°	802	815	850	881	897	618
55°	594	603	630	652	661	531
65°	390	392	405	421	424	386
75°	195	195	200	204	206	209
85°	43	41	39	36	36	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1373.3	1373.3	1373.3	1373.3	1373.3
2.5°	1367.9	1367.9	1371.5	1375.1	1376.9
5°	1362.5	1362.5	1367.9	1371.5	1373.3
7.5°	1351.8	1351.8	1359.0	1366.1	1369.7
10°	1335.7	1339.3	1348.2	1359.0	1362.5
12.5°	1317.8	1321.4	1333.9	1348.2	1353.6
15°	1292.7	1298.1	1316.0	1333.9	1341.1
17.5°	1265.9	1273.0	1294.5	1316.0	1324.9
20°	1237.2	1244.4	1271.2	1296.3	1307.0
22.5°	1205.0	1213.9	1244.4	1271.2	1282.0
25°	1169.2	1179.9	1210.3	1240.8	1255.1
27.5°	1129.8	1142.3	1176.3	1208.6	1221.1
30°	1088.6	1102.9	1136.9	1171.0	1183.5
32.5°	1043.8	1056.4	1097.5	1129.8	1142.3
35°	999.1	1011.6	1051.0	1086.8	1099.3
37.5°	950.7	966.8	1006.2	1038.5	1051.0
40°	900.6	916.7	954.3	991.9	1002.7
42.5°	852.3	866.6	902.4	936.4	947.2
45°	802.1	814.7	850.5	880.9	897.0
47.5°	750.2	762.7	798.5	827.2	836.1
50°	698.3	710.8	741.2	766.3	777.1
52.5°	646.4	658.9	687.5	710.8	721.6
55°	594.4	603.4	630.2	651.7	660.7
57.5°	542.5	549.7	571.2	594.4	599.8
60°	488.8	497.7	517.4	533.6	540.7
62.5°	440.5	444.0	461.9	476.3	485.2
65°	390.3	392.1	404.6	420.8	424.3
67.5°	338.4	340.2	352.7	361.7	365.3
70°	290.1	290.1	299.0	306.2	309.7
72.5°	243.5	241.7	247.1	254.2	257.8
75°	195.2	195.2	200.5	204.1	205.9
77.5°	154.0	150.4	154.0	157.6	157.6
80°	112.8	111.0	111.0	112.8	111.0
82.5°	77.0	75.2	77.0	73.4	71.6
85°	43.0	41.2	39.4	35.8	35.8
87.5°	14.3	12.5	12.5	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)