

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: P298368

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298368
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-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3681.0 lumens
Efficiency: N/A
Efficacy: 128.7 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

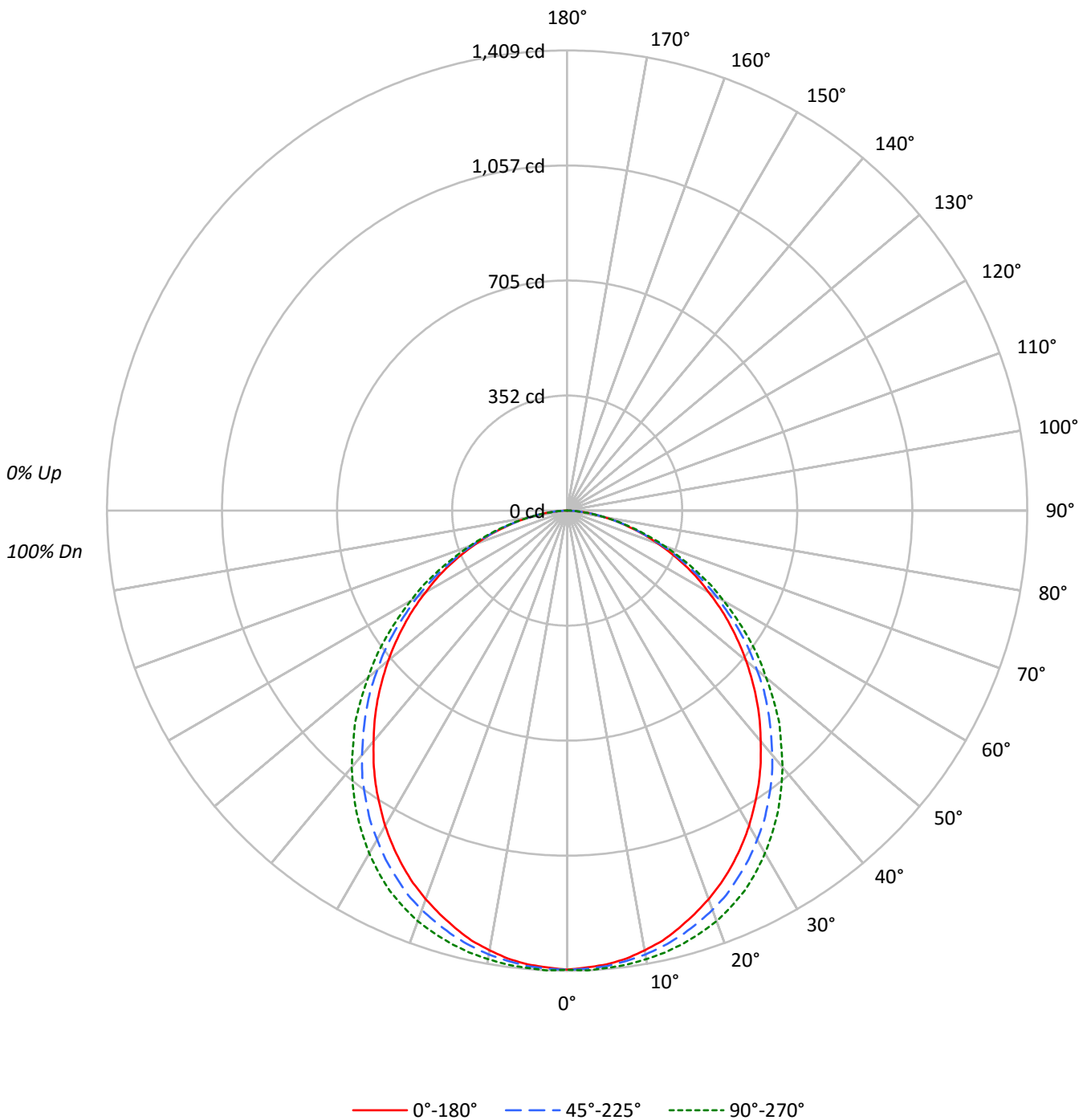
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3783	3783	3783
5°	3767	3782	3797
10°	3736	3771	3811
15°	3687	3753	3824
20°	3627	3727	3831
25°	3553	3679	3815
30°	3462	3616	3764
35°	3360	3534	3697
40°	3238	3432	3606
45°	3125	3313	3494
50°	2992	3177	3330
55°	2855	3027	3173
60°	2693	2851	2979
65°	2544	2637	2766
70°	2336	2408	2495
75°	2077	2135	2192
80°	1790	1760	1760
85°	1359	1244	1133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	3.6
10°-20°	380.1	10.3
20°-30°	570.7	15.5
30°-40°	671.6	18.2
40°-50°	669.9	18.2
50°-60°	574.9	15.6
60°-70°	411.7	11.2
70°-80°	218.1	5.9
80°-90°	51.0	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°	1083.8	29.4
0°-40°	1755.4	47.7
0°-60°	3000.2	81.5
0°-90°	3681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1406	1406	1406	1406	1406	
5°	1395	1395	1400	1404	1406	132
15°	1323	1329	1347	1365	1373	373
25°	1197	1208	1239	1270	1285	551
35°	1023	1036	1076	1112	1125	639
45°	821	834	871	902	918	633
55°	608	618	645	667	676	544
65°	400	401	414	431	434	395
75°	200	200	205	209	211	214
85°	44	42	40	37	37	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1405.7	1405.7	1405.7	1405.7	1405.7
2.5°	1400.2	1400.2	1403.9	1407.6	1409.4
5°	1394.7	1394.7	1400.2	1403.9	1405.7
7.5°	1383.7	1383.7	1391.1	1398.4	1402.1
10°	1367.3	1370.9	1380.1	1391.1	1394.7
12.5°	1348.9	1352.6	1365.4	1380.1	1385.6
15°	1323.3	1328.8	1347.1	1365.4	1372.8
17.5°	1295.8	1303.1	1325.1	1347.1	1356.3
20°	1266.4	1273.8	1301.3	1326.9	1337.9
22.5°	1233.5	1242.6	1273.8	1301.3	1312.3
25°	1196.8	1207.8	1239.0	1270.1	1284.8
27.5°	1156.5	1169.3	1204.1	1237.1	1250.0
30°	1114.3	1129.0	1163.8	1198.6	1211.5
32.5°	1068.5	1081.3	1123.5	1156.5	1169.3
35°	1022.7	1035.5	1075.8	1112.5	1125.3
37.5°	973.2	989.7	1030.0	1063.0	1075.8
40°	921.9	938.4	976.9	1015.4	1026.4
42.5°	872.4	887.1	923.7	958.5	969.5
45°	821.1	833.9	870.6	901.7	918.2
47.5°	767.9	780.8	817.4	846.7	855.9
50°	714.8	727.6	758.8	784.4	795.4
52.5°	661.6	674.5	703.8	727.6	738.6
55°	608.5	617.6	645.1	667.1	676.3
57.5°	555.3	562.7	584.7	608.5	614.0
60°	500.3	509.5	529.7	546.2	553.5
62.5°	450.9	454.5	472.9	487.5	496.7
65°	399.5	401.4	414.2	430.7	434.4
67.5°	346.4	348.2	361.1	370.2	373.9
70°	296.9	296.9	306.1	313.4	317.1
72.5°	249.3	247.4	252.9	260.3	263.9
75°	199.8	199.8	205.3	208.9	210.8
77.5°	157.6	154.0	157.6	161.3	161.3
80°	115.5	113.6	113.6	115.5	113.6
82.5°	78.8	77.0	78.8	75.1	73.3
85°	44.0	42.2	40.3	36.7	36.7
87.5°	14.7	12.8	12.8	14.7	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)