

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: P298460

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298460
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-40L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3701.0 lumens
Efficiency: N/A
Efficacy: 112.8 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

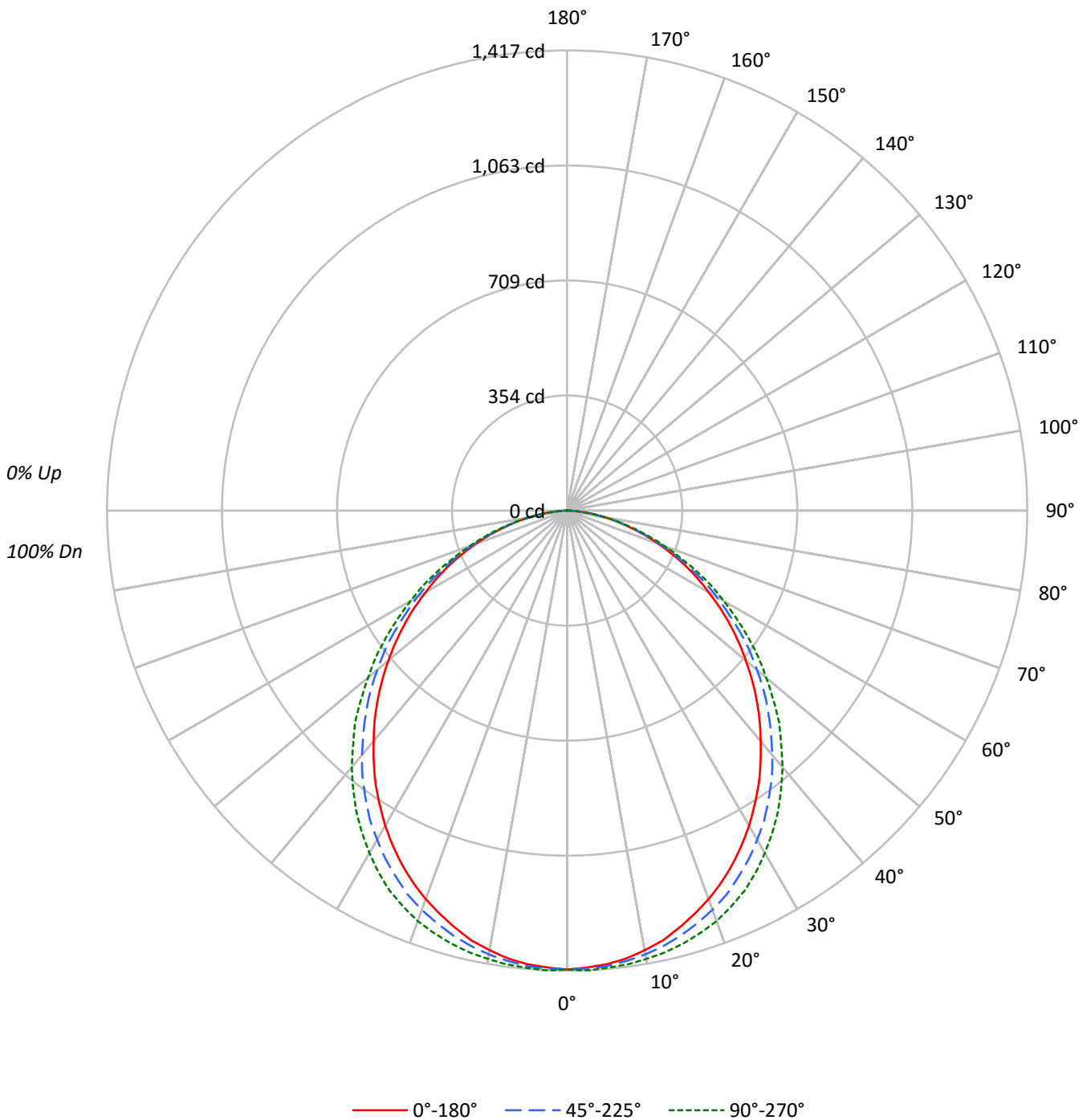
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3803	3803	3803
5°	3788	3803	3818
10°	3756	3792	3832
15°	3707	3773	3845
20°	3646	3747	3852
25°	3573	3699	3836
30°	3481	3636	3785
35°	3378	3553	3717
40°	3256	3450	3625
45°	3142	3331	3513
50°	3009	3194	3348
55°	2870	3043	3190
60°	2708	2866	2995
65°	2558	2652	2781
70°	2349	2421	2508
75°	2089	2146	2203
80°	1799	1770	1770
85°	1365	1250	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	3.6
10°-20°	382.2	10.3
20°-30°	573.8	15.5
30°-40°	675.3	18.2
40°-50°	673.6	18.2
50°-60°	578.0	15.6
60°-70°	414.0	11.2
70°-80°	219.2	5.9
80°-90°	51.3	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°	1089.6	29.4
0°-40°	1764.9	47.7
0°-60°	3016.5	81.5
0°-90°	3701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3701.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1402	1402	1408	1412	1413	133
15°	1330	1336	1354	1373	1380	375
25°	1203	1214	1246	1277	1292	554
35°	1028	1041	1082	1118	1131	642
45°	826	838	875	907	923	636
55°	612	621	649	671	680	547
65°	402	404	416	433	437	397
75°	201	201	206	210	212	215
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°	1413.4	1413.4	1413.4	1413.4	1413.4
2.5°	1407.9	1407.9	1411.5	1415.2	1417.1
5°	1402.3	1402.3	1407.9	1411.5	1413.4
7.5°	1391.3	1391.3	1398.6	1406.0	1409.7
10°	1374.7	1378.4	1387.6	1398.6	1402.3
12.5°	1356.3	1359.9	1372.8	1387.6	1393.1
15°	1330.5	1336.0	1354.4	1372.8	1380.2
17.5°	1302.8	1310.2	1332.3	1354.4	1363.6
20°	1273.3	1280.7	1308.3	1334.1	1345.2
22.5°	1240.2	1249.4	1280.7	1308.3	1319.4
25°	1203.3	1214.4	1245.7	1277.0	1291.8
27.5°	1162.8	1175.7	1210.7	1243.8	1256.7
30°	1120.4	1135.1	1170.1	1205.1	1218.0
32.5°	1074.3	1087.2	1129.6	1162.8	1175.7
35°	1028.2	1041.1	1081.7	1118.5	1131.4
37.5°	978.5	995.1	1035.6	1068.8	1081.7
40°	926.9	943.5	982.2	1020.9	1031.9
42.5°	877.1	891.9	928.7	963.8	974.8
45°	825.5	838.4	875.3	906.6	923.2
47.5°	772.1	785.0	821.9	851.3	860.6
50°	718.7	731.6	762.9	788.7	799.7
52.5°	665.2	678.1	707.6	731.6	742.6
55°	611.8	621.0	648.6	670.8	680.0
57.5°	558.3	565.7	587.8	611.8	617.3
60°	503.1	512.3	532.6	549.1	556.5
62.5°	453.3	457.0	475.4	490.2	499.4
65°	401.7	403.6	416.5	433.0	436.7
67.5°	348.3	350.1	363.0	372.2	375.9
70°	298.5	298.5	307.7	315.1	318.8
72.5°	250.6	248.8	254.3	261.7	265.4
75°	200.9	200.9	206.4	210.1	211.9
77.5°	158.5	154.8	158.5	162.2	162.2
80°	116.1	114.2	114.2	116.1	114.2
82.5°	79.2	77.4	79.2	75.6	73.7
85°	44.2	42.4	40.5	36.9	36.9
87.5°	14.7	12.9	12.9	14.7	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)