

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: P298084

Luminaire Tested: **D3X-WD-20L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-20L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1512.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

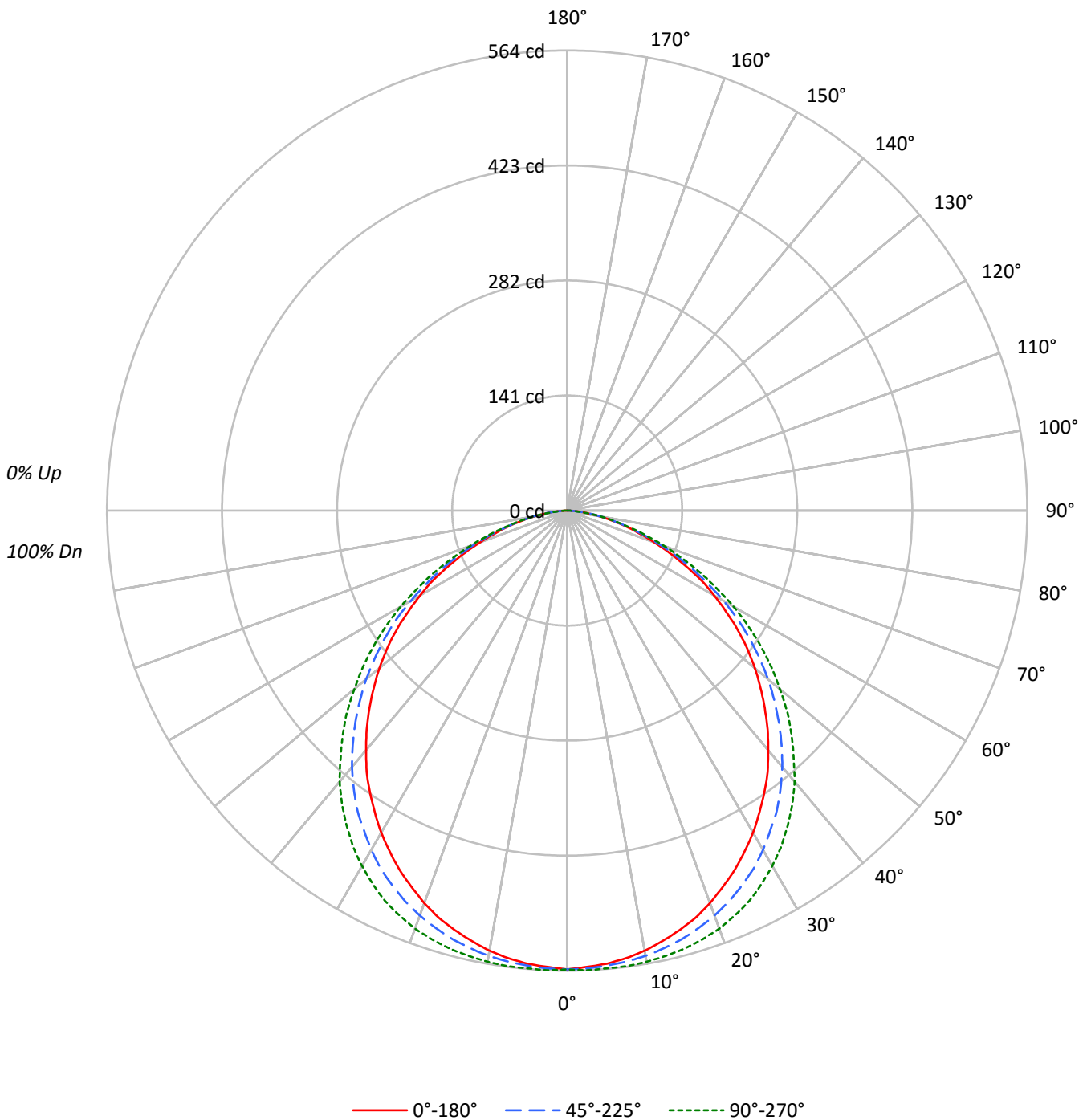
Input Watts (W): 15.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1513	1513	1513
5°	1506	1512	1521
10°	1497	1514	1535
15°	1483	1515	1549
20°	1466	1513	1562
25°	1443	1505	1568
30°	1416	1492	1563
35°	1385	1473	1548
40°	1346	1441	1524
45°	1304	1397	1480
50°	1257	1346	1424
55°	1199	1279	1359
60°	1121	1192	1270
65°	1016	1078	1145
70°	896	941	992
75°	770	787	820
80°	618	631	643
85°	451	401	401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	3.5
10°-20°	153.5	10.2
20°-30°	233.5	15.4
30°-40°	279.4	18.5
40°-50°	282.4	18.7
50°-60°	243.0	16.1
60°-70°	167.8	11.1
70°-80°	81.4	5.4
80°-90°	17.6	1.2
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°	440.3	29.1
0°-40°	719.7	47.6
0°-60°	1245.2	82.4
0°-90°	1512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	562	562	562	562	562	
5°	558	558	560	562	563	53
15°	532	536	544	552	556	150
25°	486	492	507	522	528	224
35°	422	429	448	465	471	264
45°	343	349	367	382	389	264
55°	256	260	273	285	290	228
65°	160	162	169	177	180	159
75°	74	72	76	78	79	79
85°	15	15	13	13	13	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	562.4	562.4	562.4	562.4	562.4
2.5°	559.9	559.9	561.6	563.2	564.0
5°	557.5	558.3	559.9	562.4	563.2
7.5°	553.4	554.2	557.5	561.6	563.2
10°	547.7	549.4	554.2	559.1	561.6
12.5°	540.4	543.7	549.4	555.9	559.1
15°	532.3	535.5	543.7	551.8	555.9
17.5°	523.3	526.6	536.3	546.9	551.0
20°	511.9	516.8	528.2	540.4	545.3
22.5°	498.9	505.4	518.4	531.4	537.1
25°	485.9	491.6	507.0	522.5	528.2
27.5°	471.2	477.7	494.8	510.3	516.0
30°	455.8	462.3	480.2	497.3	503.0
32.5°	438.7	446.8	463.9	481.8	488.3
35°	421.6	428.9	448.4	464.7	471.2
37.5°	403.7	410.2	429.7	446.8	453.3
40°	383.3	390.7	410.2	427.3	433.8
42.5°	363.8	371.1	389.0	405.3	411.0
45°	342.6	349.1	367.0	382.5	389.0
47.5°	321.5	328.8	344.3	359.7	366.2
50°	300.3	306.0	321.5	336.1	340.2
52.5°	278.3	283.2	297.1	310.1	315.8
55°	255.6	259.6	272.6	284.8	289.7
57.5°	231.1	236.0	248.2	257.2	262.9
60°	208.3	210.8	221.4	230.3	236.0
62.5°	185.6	186.4	194.5	203.5	206.7
65°	159.5	162.0	169.3	176.6	179.9
67.5°	135.9	138.4	144.1	149.7	152.2
70°	113.9	113.9	119.6	123.7	126.1
72.5°	92.0	92.8	96.8	99.3	101.7
75°	74.1	72.4	75.7	78.1	78.9
77.5°	55.3	54.5	57.0	57.8	59.4
80°	39.9	39.9	40.7	41.5	41.5
82.5°	26.0	26.0	26.9	25.2	24.4
85°	14.6	14.6	13.0	13.0	13.0
87.5°	4.9	4.9	4.9	5.7	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)