

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: P298182

Luminaire Tested: **D3X-WG-25L82765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-25L82765-LD5-UNV-22-T1-W2A-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2405.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

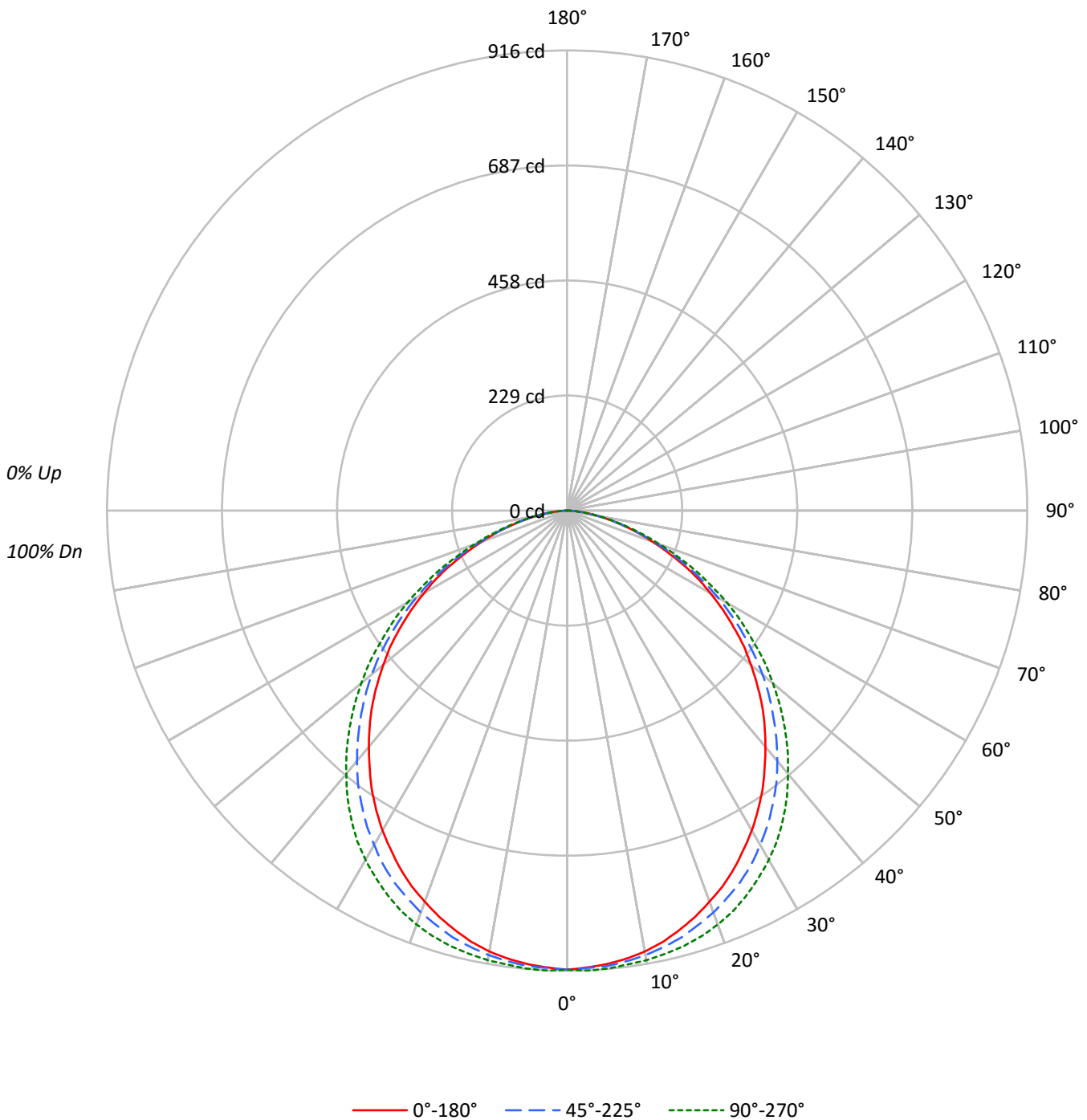
Input Watts (W): 19.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2460	2460	2460
5°	2448	2458	2472
10°	2435	2455	2483
15°	2408	2450	2500
20°	2372	2438	2511
25°	2335	2422	2509
30°	2284	2388	2495
35°	2227	2344	2462
40°	2157	2287	2403
45°	2089	2210	2332
50°	1999	2127	2239
55°	1898	2006	2114
60°	1772	1869	1978
65°	1617	1691	1788
70°	1416	1476	1537
75°	1208	1234	1287
80°	969	989	1009
85°	710	670	630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	3.6
10°-20°	248.3	10.3
20°-30°	375.4	15.6
30°-40°	445.8	18.5
40°-50°	447.6	18.6
50°-60°	382.3	15.9
60°-70°	263.4	11.0
70°-80°	127.7	5.3
80°-90°	27.9	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°	710.2	29.5
0°-40°	1156.0	48.1
0°-60°	1985.9	82.6
0°-90°	2405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	906	906	910	913	915	86
15°	864	868	880	891	897	244
25°	786	793	816	837	845	362
35°	678	688	714	740	749	423
45°	549	556	581	605	613	423
55°	405	411	428	446	451	362
65°	254	254	266	277	281	252
75°	116	114	119	121	124	125
85°	23	23	22	20	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.0	914.0	914.0	914.0	914.0
2.5°	910.1	910.1	911.4	915.2	916.5
5°	906.3	906.3	910.1	912.7	915.2
7.5°	899.9	901.2	905.0	910.1	911.4
10°	891.0	892.3	898.6	905.0	908.8
12.5°	879.5	882.0	889.7	899.9	903.7
15°	864.2	868.0	879.5	891.0	897.4
17.5°	847.6	852.7	865.4	882.0	888.4
20°	828.4	834.8	851.4	869.3	876.9
22.5°	809.3	814.4	833.5	854.0	862.9
25°	786.3	792.7	815.7	837.4	845.0
27.5°	760.8	769.7	794.0	816.9	824.6
30°	735.2	742.9	768.4	794.0	802.9
32.5°	707.2	714.8	742.9	768.4	778.6
35°	677.8	688.0	713.5	740.4	749.3
37.5°	645.9	657.4	684.2	707.2	718.7
40°	614.0	624.2	651.0	675.3	684.2
42.5°	582.1	591.0	616.5	642.1	649.7
45°	548.9	556.5	580.8	605.0	612.7
47.5°	513.1	522.1	545.1	565.5	574.4
50°	477.4	486.3	508.0	527.2	534.8
52.5°	442.9	448.0	468.5	486.3	495.3
55°	404.6	411.0	427.6	445.5	450.6
57.5°	367.6	371.5	388.0	403.4	411.0
60°	329.3	331.9	347.2	358.7	367.6
62.5°	293.6	293.6	305.1	317.8	322.9
65°	254.0	254.0	265.5	277.0	280.8
67.5°	215.7	218.3	225.9	234.9	237.4
70°	180.0	180.0	187.6	194.0	195.3
72.5°	148.1	146.8	150.6	155.7	158.3
75°	116.2	113.6	118.7	121.3	123.8
77.5°	88.1	86.8	89.4	91.9	91.9
80°	62.5	61.3	63.8	63.8	65.1
82.5°	40.8	42.1	42.1	40.8	39.6
85°	23.0	23.0	21.7	20.4	20.4
87.5°	7.7	7.7	7.7	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)