

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: P296984

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-80L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6858.0 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

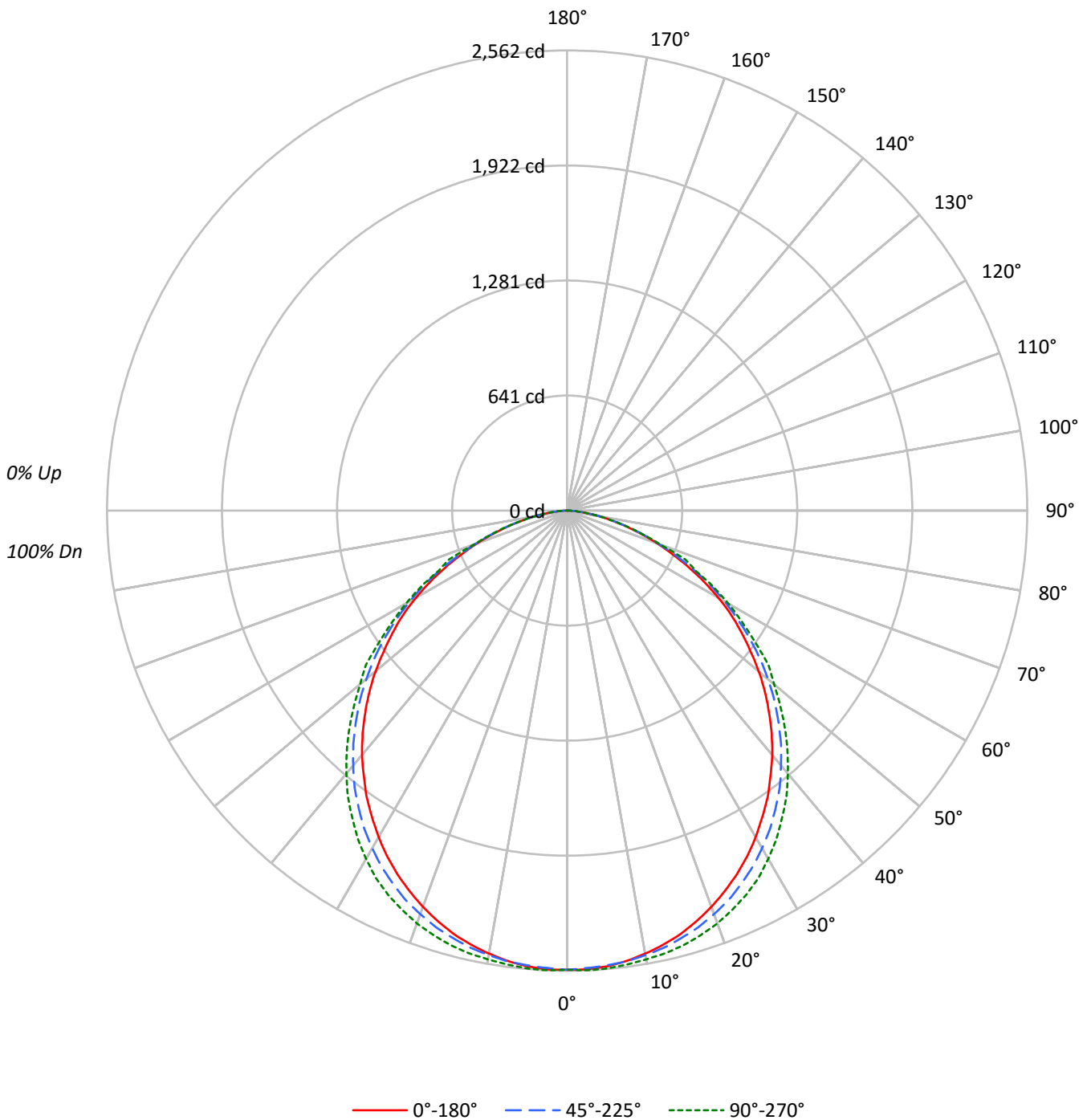
Input Watts (W): 61.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3440	3440	3440
5°	3440	3433	3456
10°	3422	3432	3466
15°	3400	3431	3489
20°	3361	3425	3502
25°	3317	3405	3503
30°	3261	3372	3479
35°	3197	3322	3427
40°	3120	3254	3358
45°	3025	3165	3264
50°	2915	3054	3147
55°	2782	2909	2996
60°	2622	2721	2788
65°	2381	2460	2507
70°	2091	2139	2168
75°	1765	1791	1804
80°	1411	1430	1392
85°	949	988	949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	3.5
10°-20°	696.8	10.2
20°-30°	1057.2	15.4
30°-40°	1262.1	18.4
40°-50°	1277.8	18.6
50°-60°	1104.5	16.1
60°-70°	765.5	11.2
70°-80°	370.4	5.4
80°-90°	81.4	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°	1996.2	29.1
0°-40°	3258.4	47.5
0°-60°	5640.7	82.2
0°-90°	6858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2557	2557	2557	2557	2557	
5°	2547	2544	2542	2554	2559	242
15°	2441	2446	2463	2493	2505	688
25°	2234	2249	2293	2340	2360	1029
35°	1946	1964	2023	2074	2087	1216
45°	1590	1612	1663	1705	1715	1226
55°	1186	1198	1240	1292	1277	1060
65°	748	755	773	785	787	740
75°	340	342	344	342	347	364
85°	62	66	64	62	62	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2556.6	2556.6	2556.6	2556.6	2556.6
2.5°	2556.6	2554.2	2549.2	2556.6	2561.5
5°	2546.8	2544.3	2541.8	2554.2	2559.1
7.5°	2529.5	2529.5	2532.0	2544.3	2549.2
10°	2504.9	2507.4	2512.3	2532.0	2536.9
12.5°	2475.4	2480.3	2492.6	2514.8	2524.6
15°	2441.0	2445.9	2463.1	2492.6	2504.9
17.5°	2396.7	2406.5	2431.1	2465.6	2477.9
20°	2347.5	2359.8	2391.7	2431.1	2445.9
22.5°	2293.3	2305.6	2347.5	2389.3	2404.1
25°	2234.3	2249.0	2293.3	2340.1	2359.8
27.5°	2170.3	2187.5	2236.7	2285.9	2305.6
30°	2098.9	2118.6	2170.3	2222.0	2239.2
32.5°	2022.7	2042.3	2101.4	2150.6	2167.8
35°	1946.4	1963.6	2022.7	2074.3	2086.6
37.5°	1860.2	1879.9	1943.9	1988.2	2005.4
40°	1776.6	1796.3	1852.9	1897.2	1911.9
42.5°	1685.5	1705.2	1761.8	1803.7	1816.0
45°	1589.6	1611.7	1663.4	1705.2	1715.1
47.5°	1493.6	1510.8	1565.0	1601.9	1609.3
50°	1392.7	1410.0	1459.2	1496.1	1503.5
52.5°	1286.9	1314.0	1353.4	1380.4	1412.4
55°	1186.0	1198.3	1240.2	1291.8	1277.1
57.5°	1085.1	1092.5	1127.0	1149.1	1154.0
60°	974.4	984.3	1011.3	1023.6	1035.9
62.5°	858.8	866.1	898.1	910.4	915.4
65°	748.0	755.4	772.6	784.9	787.4
67.5°	634.8	642.2	657.0	666.8	711.1
70°	531.5	536.4	543.8	563.5	551.2
72.5°	433.1	435.5	442.9	442.9	445.4
75°	339.6	342.0	344.5	342.0	347.0
77.5°	253.4	258.4	260.8	258.4	255.9
80°	182.1	187.0	184.5	179.6	179.6
82.5°	118.1	120.6	118.1	115.7	115.7
85°	61.5	66.4	64.0	61.5	61.5
87.5°	22.1	24.6	27.1	29.5	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)