

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: P297261

Luminaire Tested: **D3X-WG-80L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-80L92765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6178.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

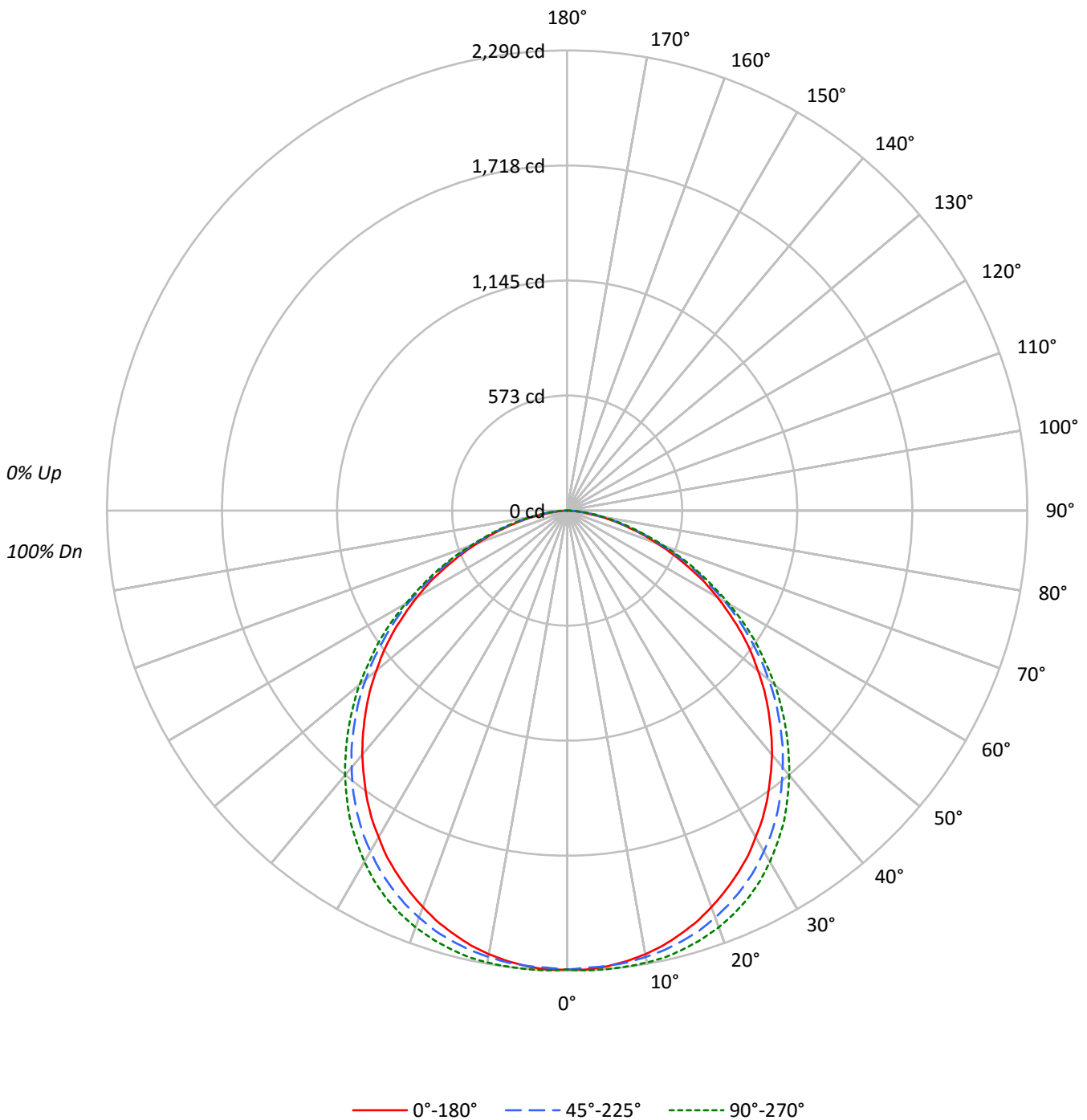
Input Watts (W): 60.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
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		47	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	27		38	32	27		37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3073	3073	3073
5°	3076	3073	3094
10°	3063	3081	3120
15°	3040	3089	3144
20°	3007	3086	3159
25°	2967	3072	3161
30°	2916	3043	3136
35°	2857	2999	3093
40°	2787	2931	3020
45°	2699	2847	2931
50°	2594	2742	2826
55°	2481	2606	2689
60°	2323	2442	2501
65°	2121	2233	2290
70°	1863	1959	2011
75°	1576	1657	1714
80°	1252	1371	1406
85°	854	1025	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.0	3.5
10°-20°	626.5	10.1
20°-30°	952.1	15.4
30°-40°	1136.1	18.4
40°-50°	1147.4	18.6
50°-60°	988.6	16.0
60°-70°	689.1	11.2
70°-80°	341.5	5.5
80°-90°	79.6	1.3
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°	1795.6	29.1
0°-40°	2931.7	47.5
0°-60°	5067.7	82.0
0°-90°	6178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6178.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2277	2275	2275	2286	2290	216
15°	2182	2193	2218	2246	2257	615
25°	1998	2025	2069	2111	2129	921
35°	1740	1768	1826	1868	1883	1087
45°	1419	1450	1496	1531	1540	1093
55°	1058	1080	1111	1138	1146	943
65°	666	679	702	708	719	661
75°	303	308	319	325	330	327
85°	55	66	66	62	64	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2286.1	2281.7	2277.2	2286.1	2290.5
5°	2277.2	2275.0	2275.0	2286.1	2290.5
7.5°	2261.7	2261.7	2268.4	2283.9	2288.3
10°	2241.8	2246.3	2255.1	2277.2	2283.9
12.5°	2215.3	2224.1	2239.6	2266.2	2275.0
15°	2182.1	2193.1	2217.5	2246.3	2257.3
17.5°	2144.5	2159.9	2190.9	2224.1	2235.2
20°	2100.2	2120.1	2155.5	2193.1	2206.4
22.5°	2051.5	2075.8	2115.7	2155.5	2171.0
25°	1998.4	2024.9	2069.2	2111.3	2129.0
27.5°	1943.1	1969.6	2018.3	2060.4	2078.1
30°	1876.7	1907.7	1958.6	2002.8	2018.3
32.5°	1812.5	1843.5	1896.6	1936.4	1951.9
35°	1739.5	1768.2	1825.8	1867.8	1883.3
37.5°	1662.0	1695.2	1750.5	1788.2	1801.4
40°	1586.8	1615.5	1668.6	1706.3	1719.5
42.5°	1502.7	1533.6	1586.8	1620.0	1631.0
45°	1418.6	1449.6	1496.0	1531.4	1540.3
47.5°	1332.3	1361.0	1407.5	1436.3	1445.1
50°	1239.3	1265.9	1310.1	1338.9	1350.0
52.5°	1150.8	1175.1	1212.8	1237.1	1243.7
55°	1057.8	1080.0	1111.0	1137.5	1146.4
57.5°	958.3	982.6	1011.4	1033.5	1040.1
60°	863.1	883.0	907.4	927.3	929.5
62.5°	770.1	779.0	801.1	818.8	821.0
65°	666.1	679.4	701.5	708.2	719.2
67.5°	571.0	579.8	597.5	606.4	615.2
70°	473.6	480.2	497.9	509.0	511.2
72.5°	389.5	391.7	405.0	413.8	416.1
75°	303.2	307.6	318.7	325.3	329.7
77.5°	230.2	234.6	243.4	247.9	247.9
80°	161.6	168.2	177.0	179.3	181.5
82.5°	104.0	112.9	119.5	121.7	117.3
85°	55.3	66.4	66.4	62.0	64.2
87.5°	19.9	24.3	26.6	28.8	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)