

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: P297302

Luminaire Tested: **D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6385.0 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

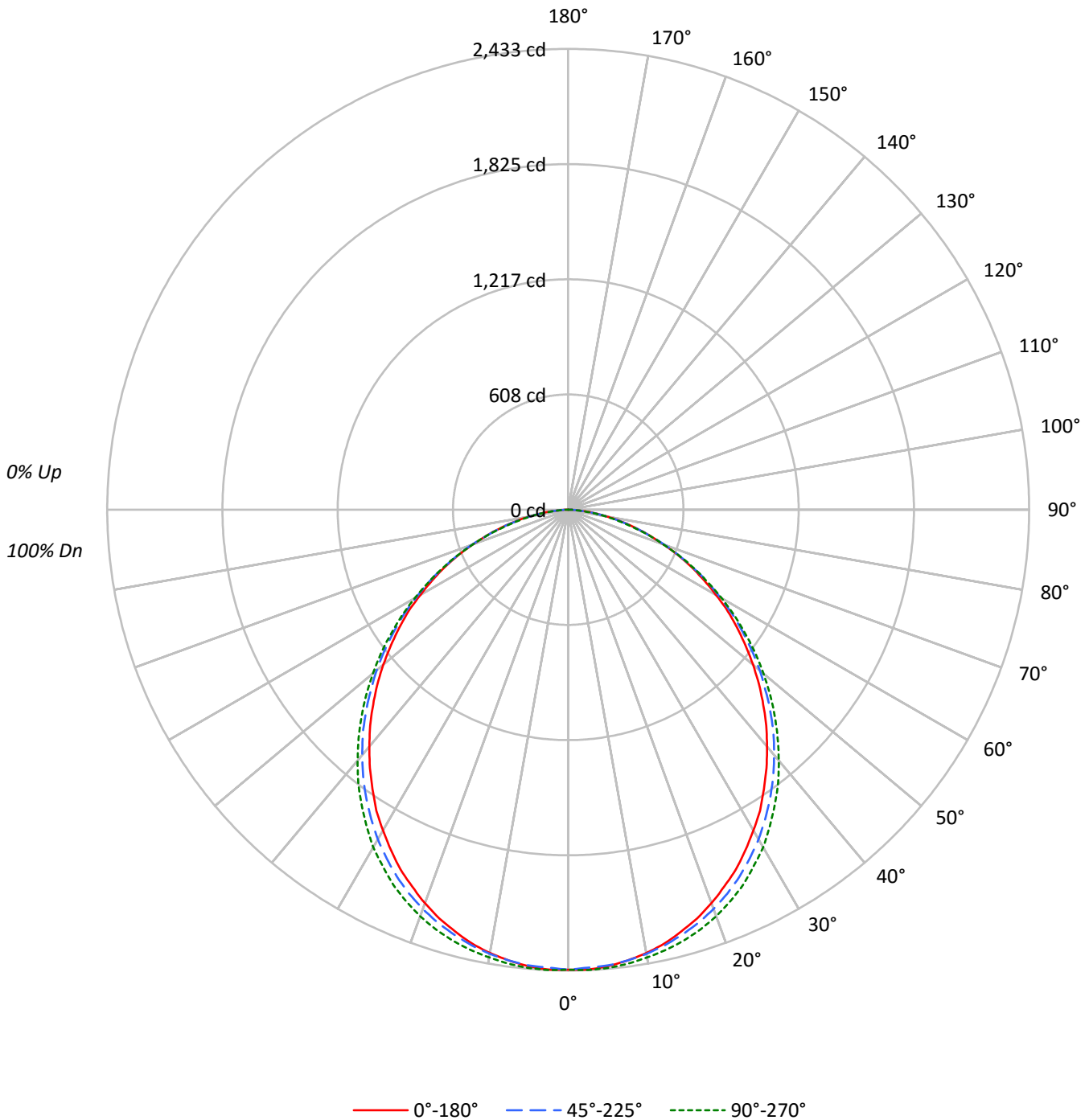
Input Watts (W): 45.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297302

CATALOG NUMBER: D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4500K

### Luminous Intensity Polar Plot





TEST NUMBER: P297302

CATALOG NUMBER: D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4500K

**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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	3267	3267	3267
5°	3268	3262	3280
10°	3247	3253	3280
15°	3212	3236	3281
20°	3166	3212	3271
25°	3110	3174	3244
30°	3038	3121	3198
35°	2957	3052	3123
40°	2867	2969	3037
45°	2771	2873	2935
50°	2665	2764	2814
55°	2553	2634	2674
60°	2425	2489	2518
65°	2287	2321	2335
70°	2098	2124	2098
75°	1890	1878	1823
80°	1600	1583	1533
85°	1195	1162	1030



TEST NUMBER: P297302

CATALOG NUMBER: D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.9	3.6
10°-20°	656.8	10.3
20°-30°	984.7	15.4
30°-40°	1159.7	18.2
40°-50°	1159.9	18.2
50°-60°	1000.8	15.7
60°-70°	720.1	11.3
70°-80°	382.0	6.0
80°-90°	91.1	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°	1871.4	29.3
0°-40°	3031.1	47.5
0°-60°	5191.8	81.3
0°-90°	6385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6385.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2428	2428	2428	2428	2428	
5°	2420	2418	2415	2424	2428	230
15°	2306	2312	2323	2347	2355	650
25°	2095	2108	2138	2174	2185	964
35°	1800	1822	1858	1891	1901	1126
45°	1456	1476	1510	1536	1542	1123
55°	1088	1099	1123	1142	1140	974
65°	718	720	729	733	733	711
75°	364	359	361	353	351	387
85°	77	77	75	69	67	94
90°	0	0	0	0	0	



TEST NUMBER: P297302

CATALOG NUMBER: D3X-WO-60L83050-LD5-UNV-24-T1-W2A-4500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2428.3	2428.3	2428.3	2428.3	2428.3
2.5°	2430.5	2426.2	2419.7	2428.3	2432.6
5°	2419.7	2417.6	2415.4	2424.0	2428.3
7.5°	2400.4	2402.5	2400.4	2413.3	2417.6
10°	2376.7	2378.9	2381.0	2396.1	2400.4
12.5°	2346.6	2348.8	2355.2	2374.6	2381.0
15°	2305.7	2312.2	2322.9	2346.6	2355.2
17.5°	2262.7	2271.3	2286.4	2314.3	2322.9
20°	2211.1	2221.8	2243.4	2273.5	2284.2
22.5°	2153.0	2163.8	2193.9	2226.2	2236.9
25°	2094.9	2107.9	2138.0	2174.5	2185.3
27.5°	2026.1	2043.3	2075.6	2112.2	2120.8
30°	1955.1	1970.2	2008.9	2043.3	2058.4
32.5°	1884.2	1899.2	1935.8	1970.2	1981.0
35°	1800.3	1821.8	1858.4	1890.6	1901.4
37.5°	1718.5	1737.9	1776.6	1808.9	1819.6
40°	1632.5	1649.7	1690.6	1720.7	1729.3
42.5°	1546.5	1563.7	1604.5	1628.2	1636.8
45°	1456.1	1475.5	1509.9	1535.7	1542.2
47.5°	1365.8	1380.9	1413.1	1436.8	1445.4
50°	1273.3	1288.4	1320.6	1340.0	1344.3
52.5°	1180.8	1191.6	1221.7	1238.9	1245.4
55°	1088.3	1099.1	1122.8	1142.1	1140.0
57.5°	1000.2	1004.5	1028.1	1041.0	1041.0
60°	901.2	905.5	924.9	933.5	935.6
62.5°	808.7	815.2	830.2	832.4	832.4
65°	718.4	720.5	729.1	733.4	733.4
67.5°	628.1	625.9	634.5	634.5	632.4
70°	533.4	537.7	539.9	535.6	533.4
72.5°	447.4	445.2	445.2	443.1	443.1
75°	363.5	359.2	361.3	352.7	350.6
77.5°	286.1	279.6	277.5	273.2	268.9
80°	206.5	206.5	204.3	200.0	197.9
82.5°	137.7	137.7	135.5	131.2	126.9
85°	77.4	77.4	75.3	68.8	66.7
87.5°	25.8	25.8	25.8	25.8	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)