

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: P297210

Luminaire Tested: **D3X-WG-45L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297210  
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-45L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3874.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 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

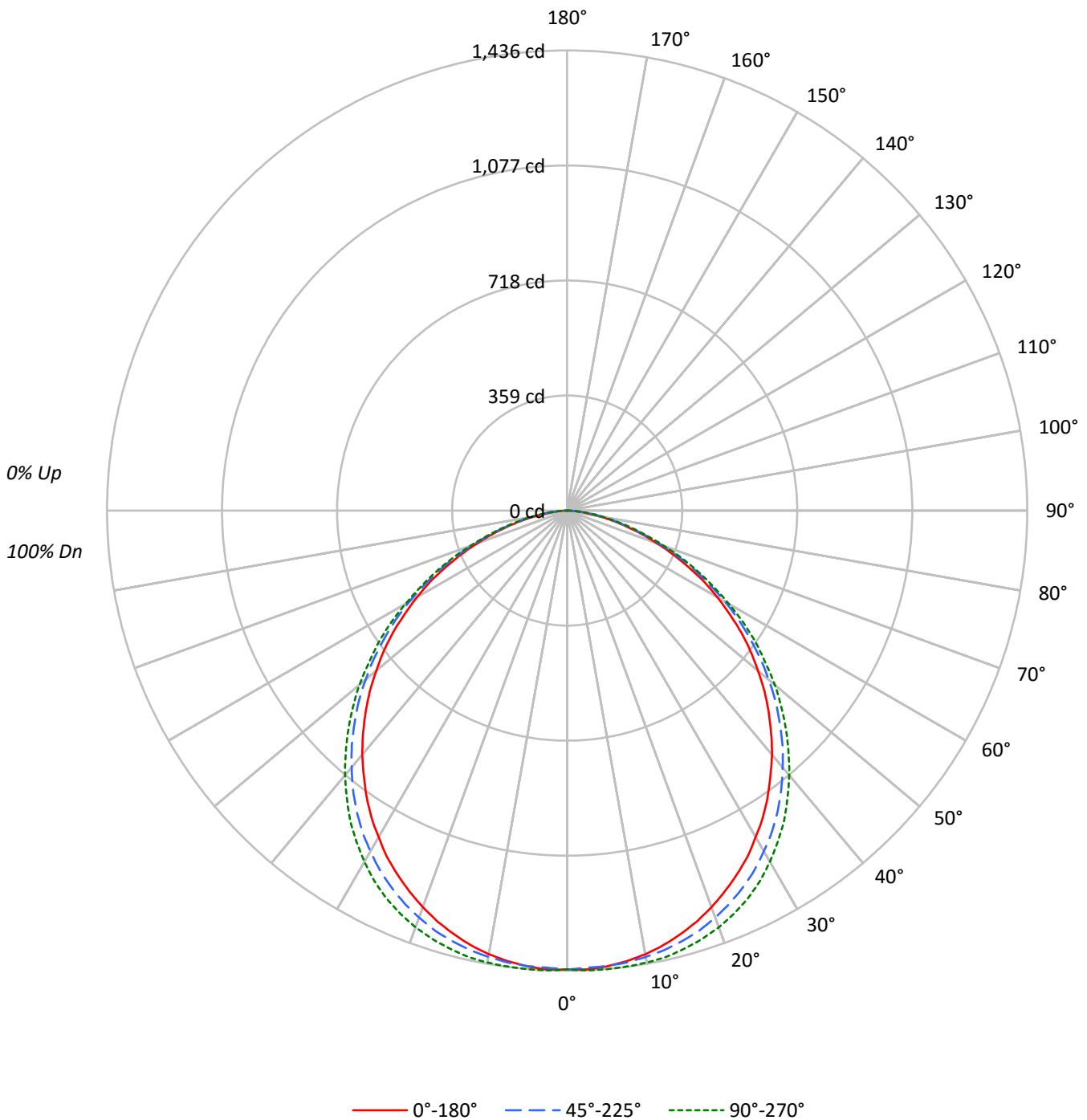
Input Watts (W): 32.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1927	1927	1927
5°	1929	1927	1940
10°	1921	1932	1957
15°	1906	1937	1972
20°	1886	1935	1981
25°	1860	1926	1982
30°	1828	1908	1966
35°	1792	1881	1940
40°	1748	1838	1894
45°	1693	1785	1838
50°	1627	1720	1772
55°	1556	1634	1686
60°	1456	1531	1568
65°	1330	1401	1436
70°	1168	1228	1261
75°	988	1039	1075
80°	785	860	882
85°	536	642	621



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.1	3.5
10°-20°	392.9	10.1
20°-30°	597.0	15.4
30°-40°	712.4	18.4
40°-50°	719.5	18.6
50°-60°	619.9	16.0
60°-70°	432.1	11.2
70°-80°	214.2	5.5
80°-90°	49.9	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°	1126.0	29.1
0°-40°	1838.4	47.5
0°-60°	3177.8	82.0
0°-90°	3874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3874.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1428	1427	1427	1434	1436	136
15°	1368	1375	1390	1408	1416	386
25°	1253	1270	1298	1324	1335	577
35°	1091	1109	1145	1171	1181	682
45°	890	909	938	960	966	686
55°	663	677	697	713	719	591
65°	418	426	440	444	451	415
75°	190	193	200	204	207	205
85°	35	42	42	39	40	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1432.1	1432.1	1432.1	1432.1	1432.1
2.5°	1433.5	1430.7	1428.0	1433.5	1436.3
5°	1428.0	1426.6	1426.6	1433.5	1436.3
7.5°	1418.3	1418.3	1422.4	1432.1	1434.9
10°	1405.8	1408.5	1414.1	1428.0	1432.1
12.5°	1389.1	1394.7	1404.4	1421.0	1426.6
15°	1368.3	1375.2	1390.5	1408.5	1415.5
17.5°	1344.7	1354.4	1373.9	1394.7	1401.6
20°	1317.0	1329.4	1351.6	1375.2	1383.6
22.5°	1286.4	1301.7	1326.7	1351.6	1361.4
25°	1253.1	1269.8	1297.5	1323.9	1335.0
27.5°	1218.4	1235.1	1265.6	1292.0	1303.1
30°	1176.8	1196.2	1228.1	1255.9	1265.6
32.5°	1136.5	1156.0	1189.3	1214.3	1224.0
35°	1090.8	1108.8	1144.9	1171.2	1181.0
37.5°	1042.2	1063.0	1097.7	1121.3	1129.6
40°	995.0	1013.0	1046.3	1069.9	1078.3
42.5°	942.3	961.7	995.0	1015.8	1022.8
45°	889.5	909.0	938.1	960.3	965.9
47.5°	835.4	853.5	882.6	900.6	906.2
50°	777.1	793.8	821.5	839.6	846.5
52.5°	721.6	736.9	760.5	775.7	779.9
55°	663.3	677.2	696.6	713.3	718.8
57.5°	600.9	616.2	634.2	648.1	652.2
60°	541.2	553.7	569.0	581.5	582.8
62.5°	482.9	488.5	502.4	513.5	514.8
65°	417.7	426.0	439.9	444.1	451.0
67.5°	358.0	363.6	374.7	380.2	385.8
70°	297.0	301.1	312.2	319.2	320.6
72.5°	244.2	245.6	254.0	259.5	260.9
75°	190.1	192.9	199.8	204.0	206.8
77.5°	144.3	147.1	152.7	155.4	155.4
80°	101.3	105.5	111.0	112.4	113.8
82.5°	65.2	70.8	74.9	76.3	73.5
85°	34.7	41.6	41.6	38.9	40.2
87.5°	12.5	15.3	16.7	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)