

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: P296930

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296930
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-45L92765-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: 3867.0 lumens
Efficiency: N/A
Efficacy: 120.5 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

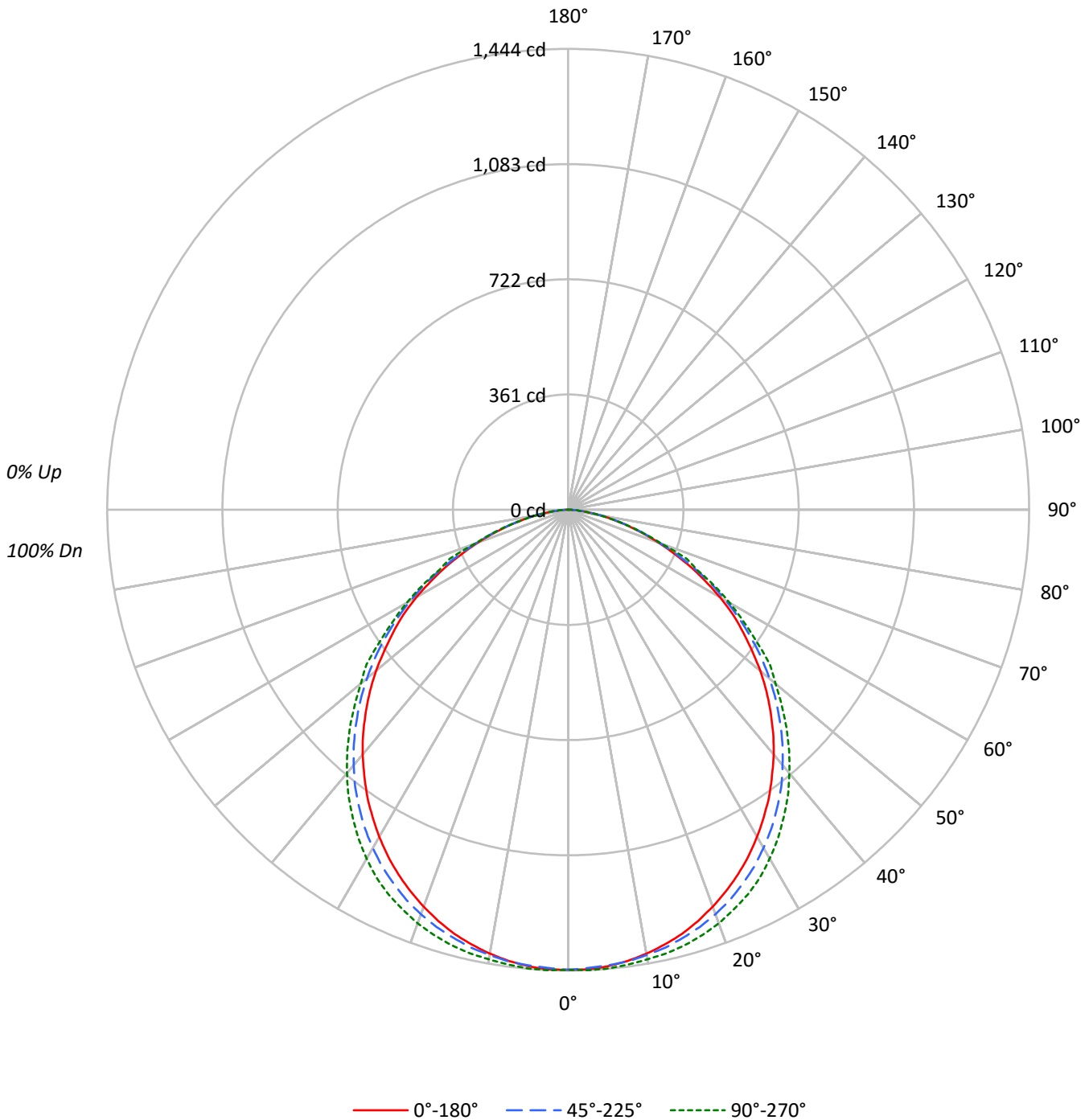
Input Watts (W): 32.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1940	1940	1940
5°	1940	1936	1949
10°	1930	1935	1954
15°	1917	1935	1968
20°	1895	1931	1975
25°	1870	1920	1975
30°	1839	1901	1962
35°	1803	1873	1933
40°	1760	1835	1894
45°	1705	1785	1840
50°	1644	1722	1774
55°	1569	1640	1689
60°	1478	1535	1572
65°	1343	1387	1414
70°	1179	1206	1223
75°	996	1010	1017
80°	796	807	785
85°	536	557	536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	3.5
10°-20°	392.9	10.2
20°-30°	596.1	15.4
30°-40°	711.7	18.4
40°-50°	720.5	18.6
50°-60°	622.8	16.1
60°-70°	431.7	11.2
70°-80°	208.9	5.4
80°-90°	45.9	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°	1125.6	29.1
0°-40°	1837.3	47.5
0°-60°	3180.6	82.2
0°-90°	3867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1436	1435	1433	1440	1443	136
15°	1376	1379	1389	1406	1412	388
25°	1260	1268	1293	1320	1331	580
35°	1098	1107	1140	1170	1177	686
45°	896	909	938	962	967	691
55°	669	676	699	728	720	598
65°	422	426	436	443	444	417
75°	192	193	194	193	196	205
85°	35	38	36	35	35	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1440.2	1437.4	1441.6	1444.4
5°	1436.0	1434.7	1433.3	1440.2	1443.0
7.5°	1426.3	1426.3	1427.7	1434.7	1437.4
10°	1412.5	1413.8	1416.6	1427.7	1430.5
12.5°	1395.8	1398.6	1405.5	1418.0	1423.6
15°	1376.4	1379.2	1388.9	1405.5	1412.5
17.5°	1351.4	1357.0	1370.8	1390.3	1397.2
20°	1323.7	1330.6	1348.6	1370.8	1379.2
22.5°	1293.1	1300.1	1323.7	1347.2	1355.6
25°	1259.8	1268.2	1293.1	1319.5	1330.6
27.5°	1223.8	1233.5	1261.2	1289.0	1300.1
30°	1183.5	1194.6	1223.8	1252.9	1262.6
32.5°	1140.5	1151.6	1184.9	1212.7	1222.4
35°	1097.5	1107.2	1140.5	1169.6	1176.6
37.5°	1048.9	1060.0	1096.1	1121.1	1130.8
40°	1001.8	1012.9	1044.8	1069.7	1078.1
42.5°	950.4	961.5	993.4	1017.0	1024.0
45°	896.3	908.8	937.9	961.5	967.1
47.5°	842.2	851.9	882.4	903.2	907.4
50°	785.3	795.0	822.8	843.6	847.7
52.5°	725.7	740.9	763.1	778.4	796.4
55°	668.8	675.7	699.3	728.4	720.1
57.5°	611.9	616.0	635.5	648.0	650.7
60°	549.4	555.0	570.3	577.2	584.1
62.5°	484.2	488.4	506.4	513.4	516.1
65°	421.8	426.0	435.7	442.6	444.0
67.5°	358.0	362.1	370.5	376.0	401.0
70°	299.7	302.5	306.6	317.7	310.8
72.5°	244.2	245.6	249.7	249.7	251.1
75°	191.5	192.9	194.2	192.9	195.6
77.5°	142.9	145.7	147.1	145.7	144.3
80°	102.7	105.4	104.1	101.3	101.3
82.5°	66.6	68.0	66.6	65.2	65.2
85°	34.7	37.5	36.1	34.7	34.7
87.5°	12.5	13.9	15.3	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)