

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: P296929

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296929
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-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3770.0 lumens
Efficiency: N/A
Efficacy: 118.2 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

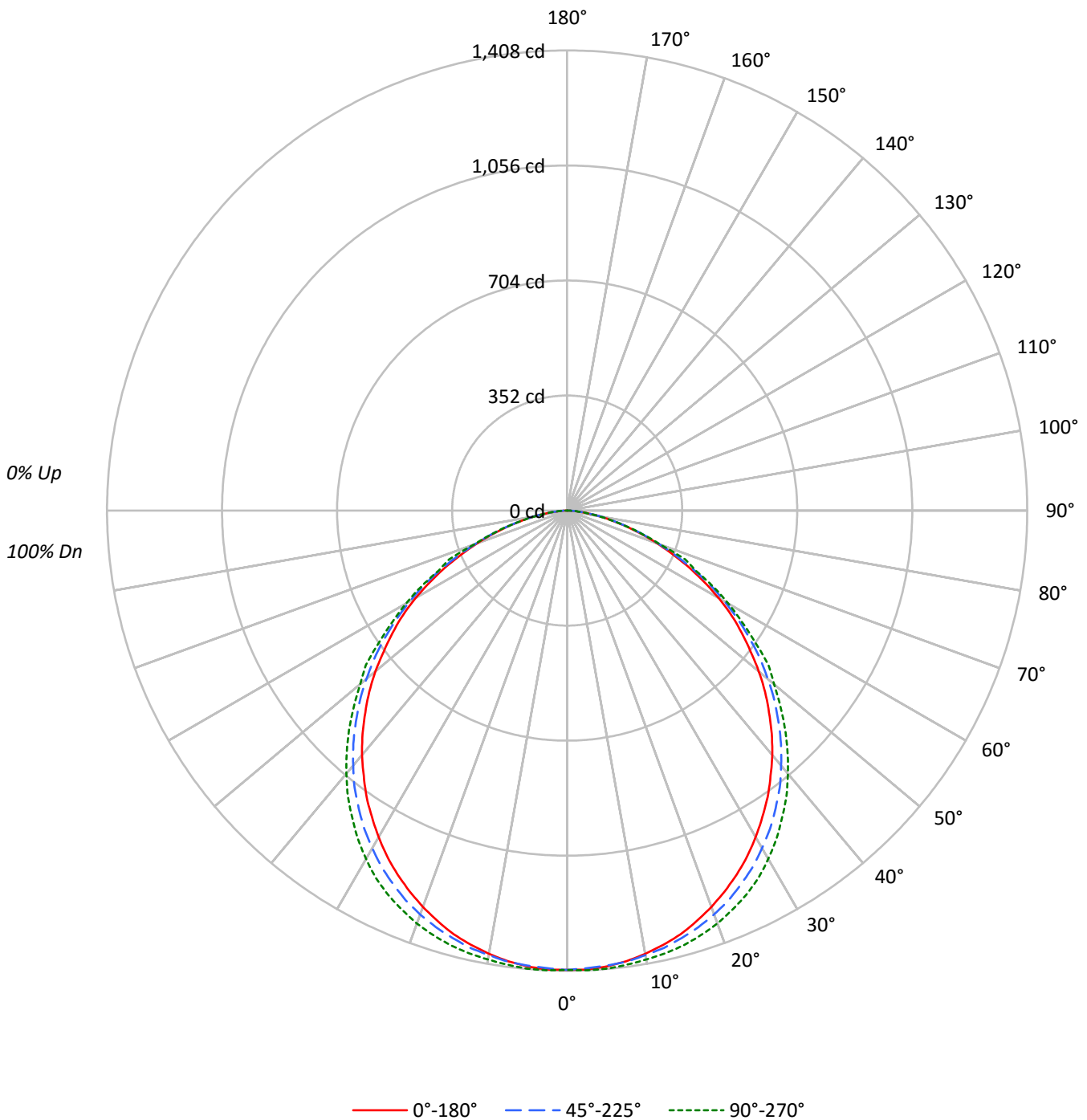
Input Watts (W): 31.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1891	1891	1891
5°	1891	1887	1900
10°	1881	1887	1905
15°	1869	1886	1918
20°	1848	1883	1925
25°	1823	1872	1926
30°	1793	1854	1912
35°	1758	1826	1884
40°	1715	1789	1846
45°	1663	1740	1794
50°	1603	1679	1730
55°	1529	1599	1647
60°	1442	1496	1533
65°	1309	1352	1378
70°	1149	1176	1192
75°	971	985	991
80°	776	786	765
85°	522	543	522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	3.5
10°-20°	383.0	10.2
20°-30°	581.2	15.4
30°-40°	693.8	18.4
40°-50°	702.4	18.6
50°-60°	607.2	16.1
60°-70°	420.8	11.2
70°-80°	203.6	5.4
80°-90°	44.8	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°	1097.4	29.1
0°-40°	1791.2	47.5
0°-60°	3100.8	82.2
0°-90°	3770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1405	1405	1405	1405	1405	
5°	1400	1399	1397	1404	1407	133
15°	1342	1345	1354	1370	1377	378
25°	1228	1236	1261	1286	1297	566
35°	1070	1079	1112	1140	1147	668
45°	874	886	914	937	943	674
55°	652	659	682	710	702	583
65°	411	415	425	432	433	407
75°	187	188	189	188	191	200
85°	34	36	35	34	34	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1405.4	1405.4	1405.4	1405.4	1405.4
2.5°	1405.4	1404.1	1401.4	1405.4	1408.1
5°	1400.0	1398.7	1397.3	1404.1	1406.8
7.5°	1390.5	1390.5	1391.9	1398.7	1401.4
10°	1377.0	1378.4	1381.1	1391.9	1394.6
12.5°	1360.8	1363.5	1370.3	1382.4	1387.8
15°	1341.9	1344.6	1354.0	1370.3	1377.0
17.5°	1317.5	1322.9	1336.4	1355.4	1362.1
20°	1290.5	1297.2	1314.8	1336.4	1344.6
22.5°	1260.7	1267.5	1290.5	1313.4	1321.6
25°	1228.2	1236.3	1260.7	1286.4	1297.2
27.5°	1193.1	1202.5	1229.6	1256.6	1267.5
30°	1153.8	1164.7	1193.1	1221.5	1230.9
32.5°	1111.9	1122.7	1155.2	1182.2	1191.7
35°	1070.0	1079.4	1111.9	1140.3	1147.1
37.5°	1022.6	1033.4	1068.6	1093.0	1102.4
40°	976.6	987.5	1018.6	1042.9	1051.0
42.5°	926.6	937.4	968.5	991.5	998.3
45°	873.8	886.0	914.4	937.4	942.8
47.5°	821.1	830.5	860.3	880.6	884.6
50°	765.6	775.1	802.1	822.4	826.5
52.5°	707.4	722.3	744.0	758.9	776.4
55°	652.0	658.8	681.7	710.2	702.0
57.5°	596.5	600.6	619.5	631.7	634.4
60°	535.7	541.1	555.9	562.7	569.5
62.5°	472.1	476.1	493.7	500.5	503.2
65°	411.2	415.3	424.7	431.5	432.9
67.5°	349.0	353.0	361.2	366.6	390.9
70°	292.2	294.9	298.9	309.8	303.0
72.5°	238.1	239.4	243.5	243.5	244.8
75°	186.7	188.0	189.4	188.0	190.7
77.5°	139.3	142.0	143.4	142.0	140.7
80°	100.1	102.8	101.5	98.7	98.7
82.5°	64.9	66.3	64.9	63.6	63.6
85°	33.8	36.5	35.2	33.8	33.8
87.5°	12.2	13.5	14.9	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)