

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: P297489

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297489
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-45L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4016.0 lumens
Efficiency: N/A
Efficacy: 125.9 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

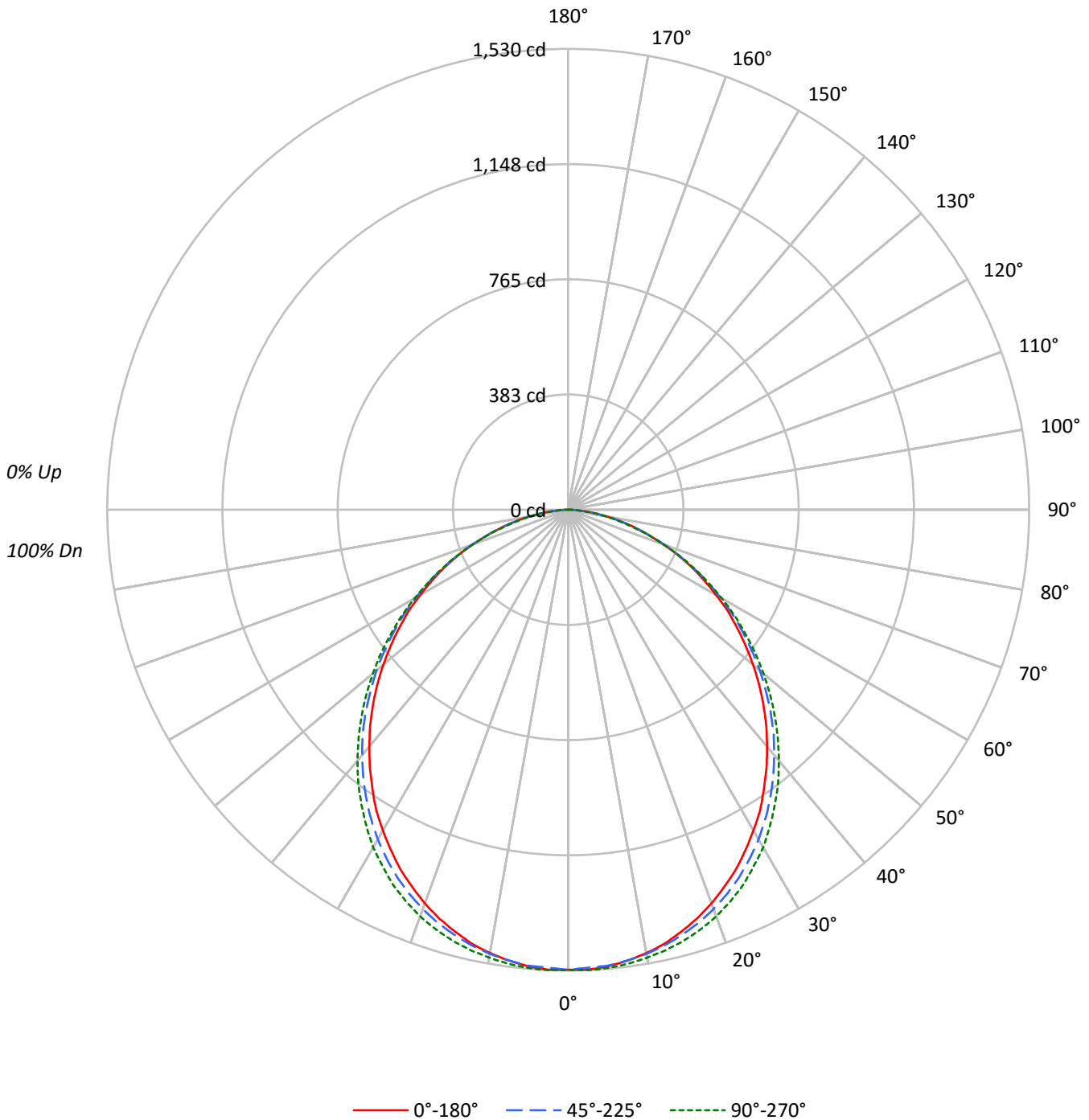
Input Watts (W): 31.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2055	2055	2055
5°	2056	2052	2063
10°	2042	2046	2063
15°	2020	2035	2064
20°	1991	2020	2057
25°	1956	1996	2041
30°	1911	1963	2011
35°	1860	1920	1964
40°	1803	1868	1910
45°	1743	1807	1846
50°	1676	1739	1770
55°	1606	1657	1682
60°	1525	1565	1584
65°	1438	1460	1469
70°	1320	1336	1320
75°	1188	1182	1146
80°	1007	996	965
85°	752	730	647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	3.6
10°-20°	413.1	10.3
20°-30°	619.4	15.4
30°-40°	729.4	18.2
40°-50°	729.5	18.2
50°-60°	629.5	15.7
60°-70°	452.9	11.3
70°-80°	240.3	6.0
80°-90°	57.3	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°	1177.1	29.3
0°-40°	1906.5	47.5
0°-60°	3265.5	81.3
0°-90°	4016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1527	1527	1527	1527	1527	
5°	1522	1521	1519	1525	1527	144
15°	1450	1454	1461	1476	1481	409
25°	1318	1326	1345	1368	1374	606
35°	1132	1146	1169	1189	1196	708
45°	916	928	950	966	970	707
55°	684	691	706	718	717	613
65°	452	453	459	461	461	447
75°	229	226	227	222	220	243
85°	49	49	47	43	42	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.4	1527.4	1527.4	1527.4	1527.4
2.5°	1528.7	1526.0	1521.9	1527.4	1530.1
5°	1521.9	1520.6	1519.2	1524.7	1527.4
7.5°	1509.8	1511.1	1509.8	1517.9	1520.6
10°	1494.9	1496.2	1497.6	1507.1	1509.8
12.5°	1476.0	1477.3	1481.4	1493.5	1497.6
15°	1450.2	1454.3	1461.1	1476.0	1481.4
17.5°	1423.2	1428.6	1438.1	1455.7	1461.1
20°	1390.7	1397.5	1411.0	1430.0	1436.7
22.5°	1354.2	1361.0	1379.9	1400.2	1407.0
25°	1317.7	1325.8	1344.7	1367.7	1374.5
27.5°	1274.4	1285.2	1305.5	1328.5	1333.9
30°	1229.7	1239.2	1263.6	1285.2	1294.7
32.5°	1185.1	1194.6	1217.6	1239.2	1246.0
35°	1132.3	1145.9	1168.9	1189.1	1195.9
37.5°	1080.9	1093.1	1117.4	1137.7	1144.5
40°	1026.8	1037.6	1063.3	1082.3	1087.7
42.5°	972.7	983.5	1009.2	1024.1	1029.5
45°	915.9	928.0	949.7	965.9	970.0
47.5°	859.1	868.5	888.8	903.7	909.1
50°	800.9	810.4	830.6	842.8	845.5
52.5°	742.7	749.5	768.4	779.2	783.3
55°	684.5	691.3	706.2	718.4	717.0
57.5°	629.1	631.8	646.7	654.8	654.8
60°	566.8	569.5	581.7	587.1	588.5
62.5°	508.7	512.7	522.2	523.5	523.5
65°	451.8	453.2	458.6	461.3	461.3
67.5°	395.0	393.7	399.1	399.1	397.7
70°	335.5	338.2	339.6	336.9	335.5
72.5°	281.4	280.0	280.0	278.7	278.7
75°	228.6	225.9	227.3	221.9	220.5
77.5°	179.9	175.9	174.5	171.8	169.1
80°	129.9	129.9	128.5	125.8	124.5
82.5°	86.6	86.6	85.2	82.5	79.8
85°	48.7	48.7	47.3	43.3	41.9
87.5°	16.2	16.2	16.2	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)