

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: P297233

Luminaire Tested: **D3X-WG-60L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297233
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-60L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4439.0 lumens
Efficiency: N/A
Efficacy: 102.8 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

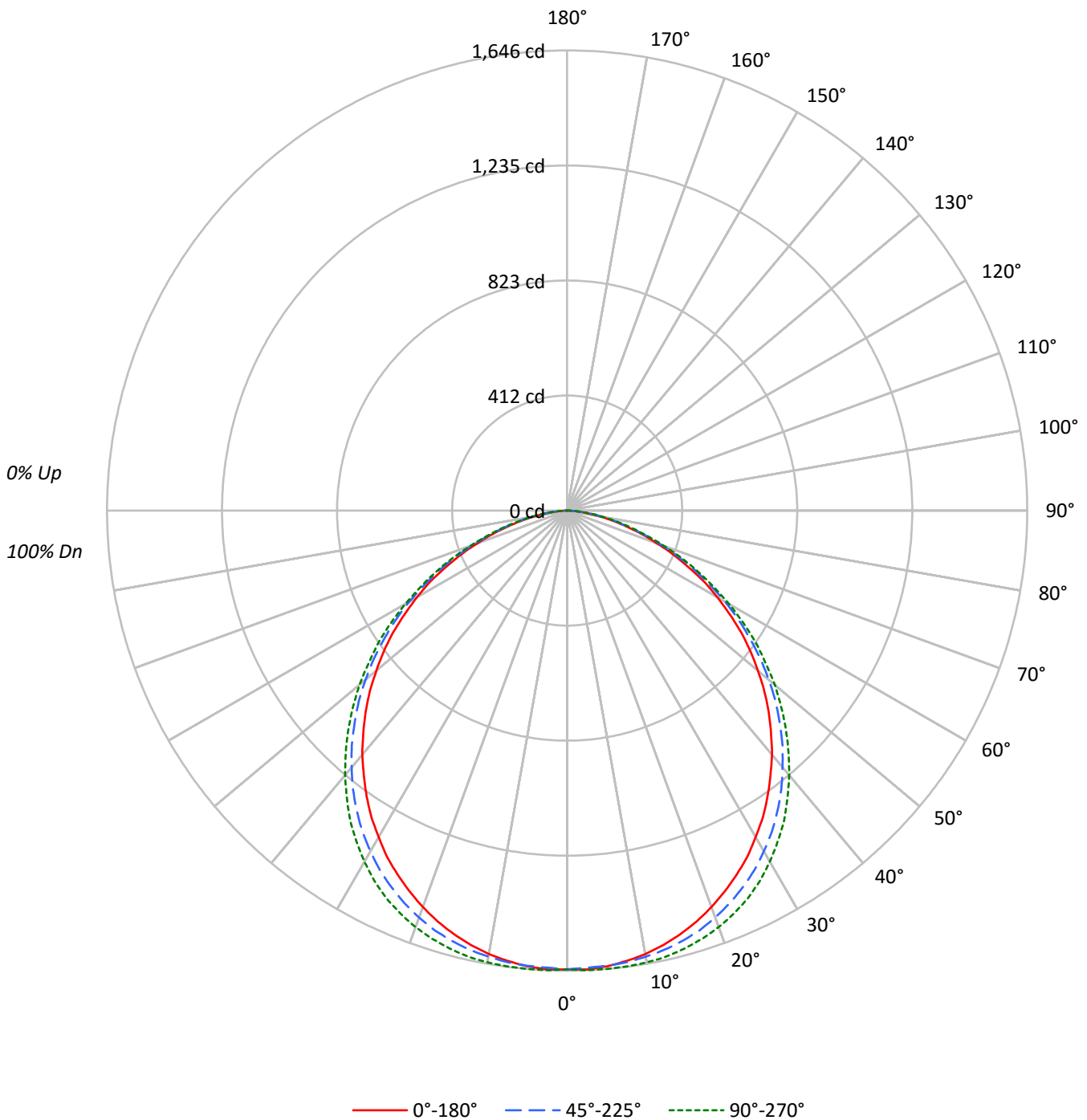
Input Watts (W): 43.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2208	2208	2208
5°	2210	2208	2223
10°	2201	2214	2242
15°	2184	2219	2259
20°	2161	2218	2270
25°	2132	2207	2271
30°	2095	2186	2253
35°	2053	2155	2223
40°	2002	2106	2170
45°	1940	2045	2106
50°	1864	1971	2030
55°	1783	1872	1932
60°	1669	1754	1797
65°	1524	1605	1645
70°	1339	1408	1445
75°	1132	1190	1232
80°	900	986	1010
85°	614	736	712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	3.5
10°-20°	450.2	10.1
20°-30°	684.1	15.4
30°-40°	816.3	18.4
40°-50°	824.4	18.6
50°-60°	710.3	16.0
60°-70°	495.2	11.2
70°-80°	245.4	5.5
80°-90°	57.2	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°	1290.2	29.1
0°-40°	2106.5	47.5
0°-60°	3641.2	82.0
0°-90°	4439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1636	1635	1635	1643	1646	155
15°	1568	1576	1593	1614	1622	442
25°	1436	1455	1487	1517	1530	661
35°	1250	1270	1312	1342	1353	781
45°	1019	1042	1075	1100	1107	786
55°	760	776	798	817	824	677
65°	479	488	504	509	517	475
75°	218	221	229	234	237	235
85°	40	48	48	44	46	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1641.0	1641.0	1641.0	1641.0	1641.0
2.5°	1642.6	1639.4	1636.2	1642.6	1645.8
5°	1636.2	1634.6	1634.6	1642.6	1645.8
7.5°	1625.1	1625.1	1629.9	1641.0	1644.2
10°	1610.8	1614.0	1620.3	1636.2	1641.0
12.5°	1591.7	1598.1	1609.2	1628.3	1634.6
15°	1567.9	1575.8	1593.3	1614.0	1621.9
17.5°	1540.8	1552.0	1574.2	1598.1	1606.0
20°	1509.0	1523.3	1548.8	1575.8	1585.4
22.5°	1474.0	1491.5	1520.2	1548.8	1559.9
25°	1435.9	1455.0	1486.8	1517.0	1529.7
27.5°	1396.1	1415.2	1450.2	1480.4	1493.1
30°	1348.4	1370.7	1407.3	1439.1	1450.2
32.5°	1302.3	1324.6	1362.7	1391.4	1402.5
35°	1249.8	1270.5	1311.8	1342.1	1353.2
37.5°	1194.2	1218.0	1257.8	1284.8	1294.4
40°	1140.1	1160.8	1199.0	1226.0	1235.5
42.5°	1079.7	1102.0	1140.1	1164.0	1171.9
45°	1019.3	1041.5	1074.9	1100.4	1106.7
47.5°	957.3	977.9	1011.3	1032.0	1038.3
50°	890.5	909.5	941.4	962.0	970.0
52.5°	826.9	844.4	871.4	888.9	893.6
55°	760.1	776.0	798.2	817.3	823.7
57.5°	688.5	706.0	726.7	742.6	747.4
60°	620.1	634.5	651.9	666.3	667.9
62.5°	553.4	559.7	575.6	588.3	589.9
65°	478.6	488.2	504.1	508.8	516.8
67.5°	410.3	416.6	429.3	435.7	442.1
70°	340.3	345.1	357.8	365.7	367.3
72.5°	279.9	281.5	291.0	297.4	298.9
75°	217.8	221.0	229.0	233.7	236.9
77.5°	165.4	168.6	174.9	178.1	178.1
80°	116.1	120.8	127.2	128.8	130.4
82.5°	74.7	81.1	85.9	87.5	84.3
85°	39.8	47.7	47.7	44.5	46.1
87.5°	14.3	17.5	19.1	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)