

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: P297332

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297332
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-36L82765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 145.2 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

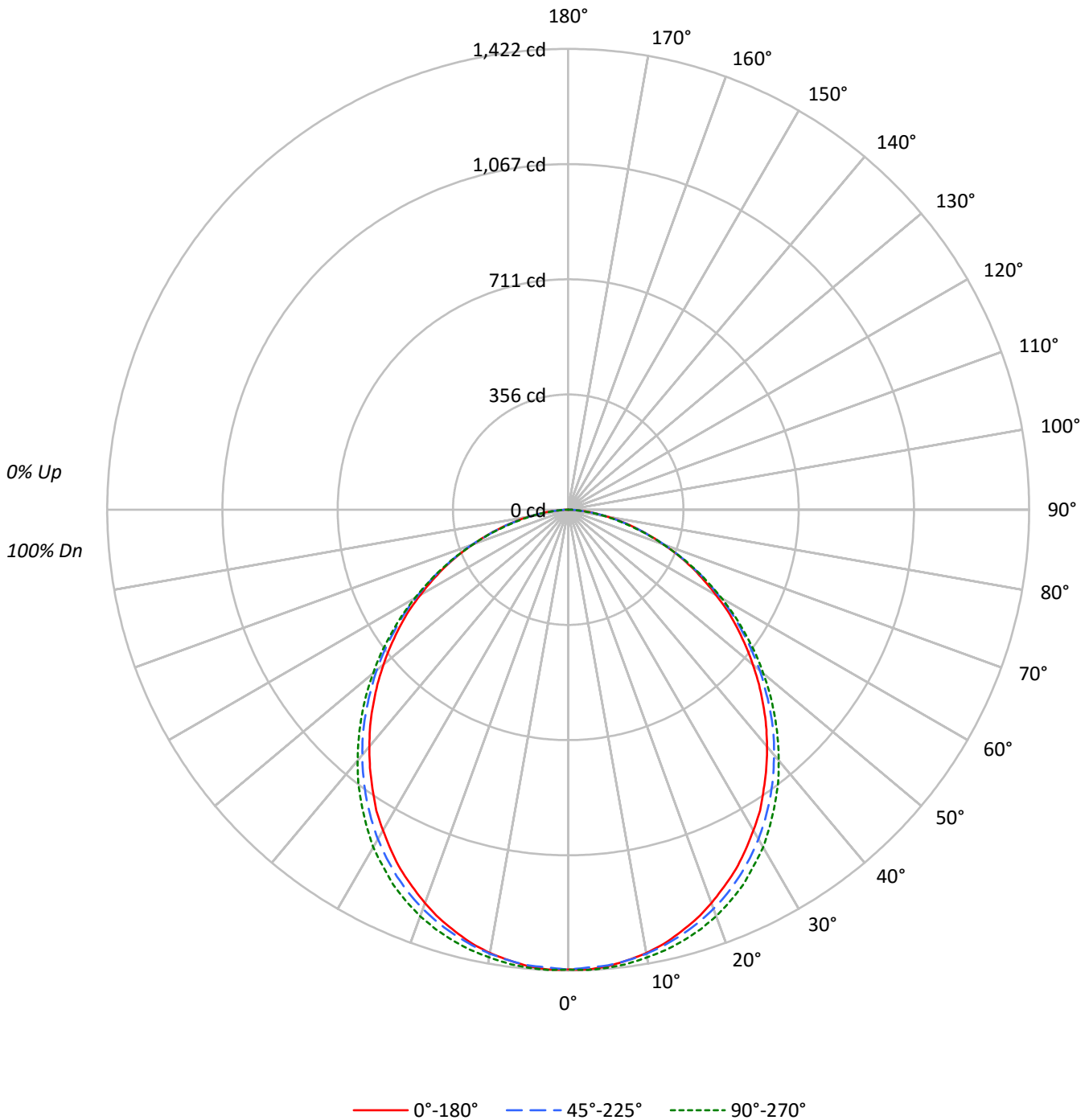
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1909	1909	1909
5°	1910	1906	1917
10°	1897	1901	1916
15°	1877	1891	1917
20°	1850	1877	1911
25°	1817	1855	1896
30°	1775	1824	1869
35°	1728	1784	1825
40°	1675	1735	1775
45°	1619	1679	1715
50°	1557	1615	1644
55°	1492	1539	1563
60°	1417	1454	1471
65°	1337	1357	1365
70°	1226	1241	1226
75°	1104	1097	1065
80°	935	925	896
85°	698	679	602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.6
10°-20°	383.8	10.3
20°-30°	575.4	15.4
30°-40°	677.7	18.2
40°-50°	677.8	18.2
50°-60°	584.8	15.7
60°-70°	420.8	11.3
70°-80°	223.2	6.0
80°-90°	53.2	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°	1093.6	29.3
0°-40°	1771.2	47.5
0°-60°	3033.8	81.3
0°-90°	3731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1419	1419	1419	1419	1419	
5°	1414	1413	1411	1416	1419	134
15°	1347	1351	1357	1371	1376	380
25°	1224	1232	1249	1271	1277	563
35°	1052	1064	1086	1105	1111	658
45°	851	862	882	897	901	656
55°	636	642	656	667	666	569
65°	420	421	426	429	429	415
75°	212	210	211	206	205	226
85°	45	45	44	40	39	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1419.0	1419.0	1419.0	1419.0	1419.0
2.5°	1420.2	1417.7	1413.9	1419.0	1421.5
5°	1413.9	1412.7	1411.4	1416.5	1419.0
7.5°	1402.6	1403.9	1402.6	1410.2	1412.7
10°	1388.8	1390.1	1391.3	1400.1	1402.6
12.5°	1371.2	1372.5	1376.2	1387.5	1391.3
15°	1347.3	1351.1	1357.4	1371.2	1376.2
17.5°	1322.2	1327.2	1336.0	1352.4	1357.4
20°	1292.0	1298.3	1310.9	1328.5	1334.8
22.5°	1258.1	1264.4	1282.0	1300.8	1307.1
25°	1224.2	1231.7	1249.3	1270.7	1276.9
27.5°	1183.9	1194.0	1212.8	1234.2	1239.2
30°	1142.5	1151.3	1173.9	1194.0	1202.8
32.5°	1101.0	1109.8	1131.2	1151.3	1157.5
35°	1052.0	1064.5	1085.9	1104.8	1111.0
37.5°	1004.2	1015.5	1038.1	1057.0	1063.3
40°	953.9	964.0	987.9	1005.5	1010.5
42.5°	903.7	913.7	937.6	951.4	956.5
45°	850.9	862.2	882.3	897.4	901.2
47.5°	798.1	806.9	825.7	839.6	844.6
50°	744.0	752.8	771.7	783.0	785.5
52.5°	690.0	696.3	713.9	723.9	727.7
55°	636.0	642.2	656.1	667.4	666.1
57.5°	584.4	586.9	600.8	608.3	608.3
60°	526.6	529.1	540.4	545.5	546.7
62.5°	472.6	476.3	485.1	486.4	486.4
65°	419.8	421.0	426.1	428.6	428.6
67.5°	367.0	365.7	370.8	370.8	369.5
70°	311.7	314.2	315.5	313.0	311.7
72.5°	261.4	260.2	260.2	258.9	258.9
75°	212.4	209.9	211.1	206.1	204.9
77.5°	167.2	163.4	162.1	159.6	157.1
80°	120.7	120.7	119.4	116.9	115.6
82.5°	80.4	80.4	79.2	76.7	74.2
85°	45.2	45.2	44.0	40.2	39.0
87.5°	15.1	15.1	15.1	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)