

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: P297049

Luminaire Tested: **D3X-WG-36L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297049
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-36L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3261.0 lumens
Efficiency: N/A
Efficacy: 130.4 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

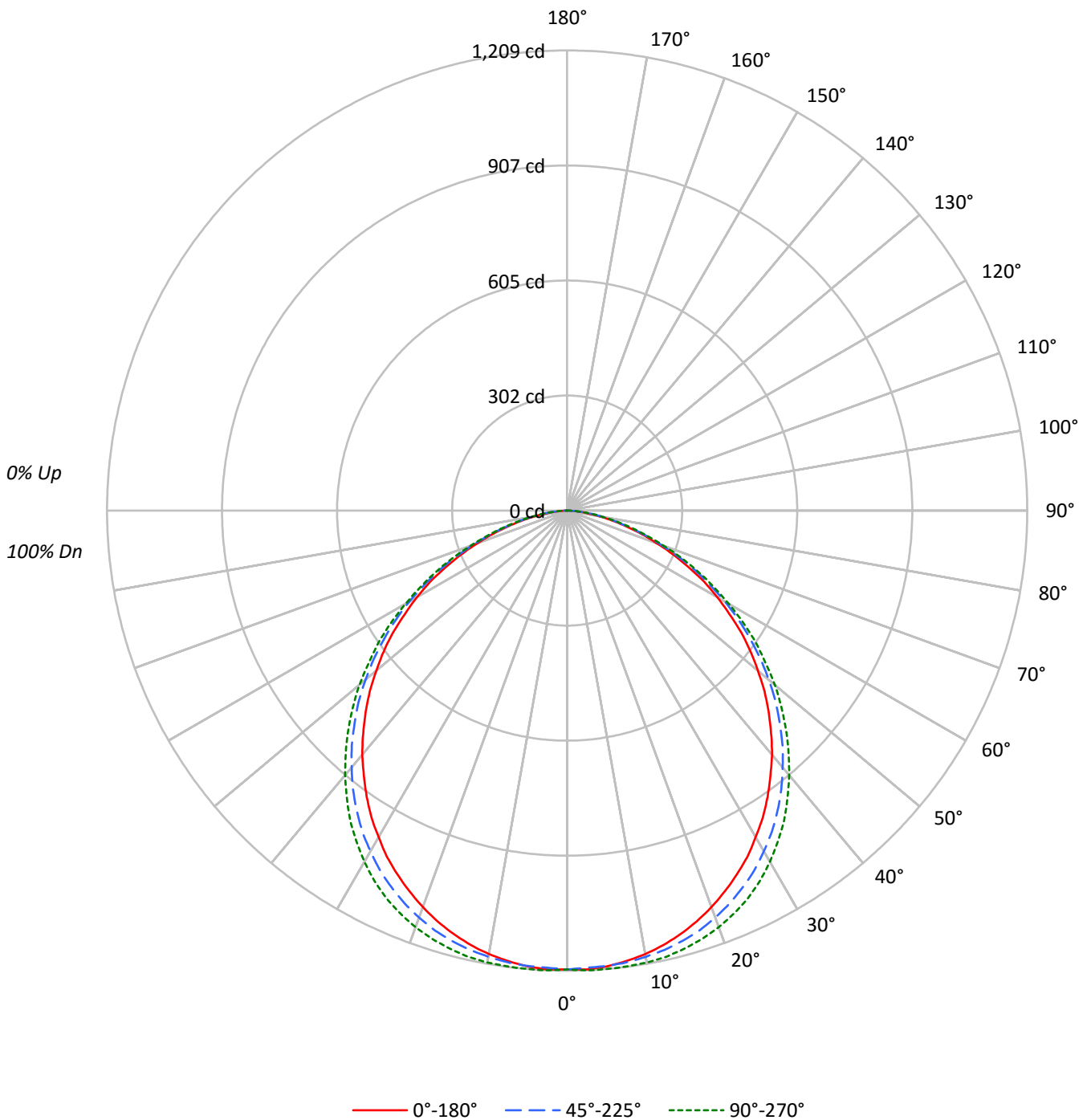
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1622	1622	1622
5°	1623	1622	1633
10°	1617	1626	1647
15°	1604	1630	1660
20°	1587	1629	1668
25°	1566	1621	1668
30°	1539	1606	1655
35°	1508	1583	1633
40°	1471	1547	1594
45°	1425	1503	1547
50°	1369	1447	1492
55°	1310	1376	1419
60°	1226	1289	1320
65°	1119	1179	1209
70°	983	1034	1061
75°	832	874	905
80°	661	724	742
85°	451	540	523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	3.5
10°-20°	330.7	10.1
20°-30°	502.6	15.4
30°-40°	599.7	18.4
40°-50°	605.7	18.6
50°-60°	521.8	16.0
60°-70°	363.8	11.2
70°-80°	180.3	5.5
80°-90°	42.0	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°	947.8	29.1
0°-40°	1547.5	47.5
0°-60°	2674.9	82.0
0°-90°	3261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1202	1201	1201	1207	1209	114
15°	1152	1158	1170	1186	1192	325
25°	1055	1069	1092	1114	1124	486
35°	918	933	964	986	994	574
45°	749	765	790	808	813	577
55°	558	570	586	600	605	498
65°	352	359	370	374	380	349
75°	160	162	168	172	174	173
85°	29	35	35	33	34	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.5	1205.5	1205.5	1205.5	1205.5
2.5°	1206.7	1204.4	1202.0	1206.7	1209.0
5°	1202.0	1200.9	1200.9	1206.7	1209.0
7.5°	1193.8	1193.8	1197.3	1205.5	1207.9
10°	1183.3	1185.7	1190.3	1202.0	1205.5
12.5°	1169.3	1174.0	1182.2	1196.2	1200.9
15°	1151.8	1157.6	1170.5	1185.7	1191.5
17.5°	1131.9	1140.1	1156.5	1174.0	1179.8
20°	1108.6	1119.1	1137.8	1157.6	1164.6
22.5°	1082.9	1095.7	1116.7	1137.8	1145.9
25°	1054.8	1068.9	1092.2	1114.4	1123.8
27.5°	1025.6	1039.6	1065.3	1087.5	1096.9
30°	990.6	1006.9	1033.8	1057.2	1065.3
32.5°	956.7	973.1	1001.1	1022.1	1030.3
35°	918.2	933.3	963.7	985.9	994.1
37.5°	877.3	894.8	924.0	943.9	950.9
40°	837.6	852.7	880.8	900.6	907.6
42.5°	793.2	809.5	837.6	855.1	860.9
45°	748.8	765.1	789.7	808.4	813.0
47.5°	703.2	718.4	742.9	758.1	762.8
50°	654.2	668.2	691.5	706.7	712.6
52.5°	607.4	620.3	640.1	653.0	656.5
55°	558.4	570.1	586.4	600.4	605.1
57.5°	505.8	518.7	533.8	545.5	549.0
60°	455.6	466.1	478.9	489.5	490.6
62.5°	406.5	411.2	422.9	432.2	433.4
65°	351.6	358.6	370.3	373.8	379.6
67.5°	301.4	306.1	315.4	320.1	324.7
70°	250.0	253.5	262.8	268.7	269.8
72.5°	205.6	206.8	213.8	218.4	219.6
75°	160.0	162.4	168.2	171.7	174.1
77.5°	121.5	123.8	128.5	130.8	130.8
80°	85.3	88.8	93.5	94.6	95.8
82.5°	54.9	59.6	63.1	64.2	61.9
85°	29.2	35.0	35.0	32.7	33.9
87.5°	10.5	12.8	14.0	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)