

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: P297464

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297464
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-31L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2866.0 lumens
Efficiency: N/A
Efficacy: 132.1 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

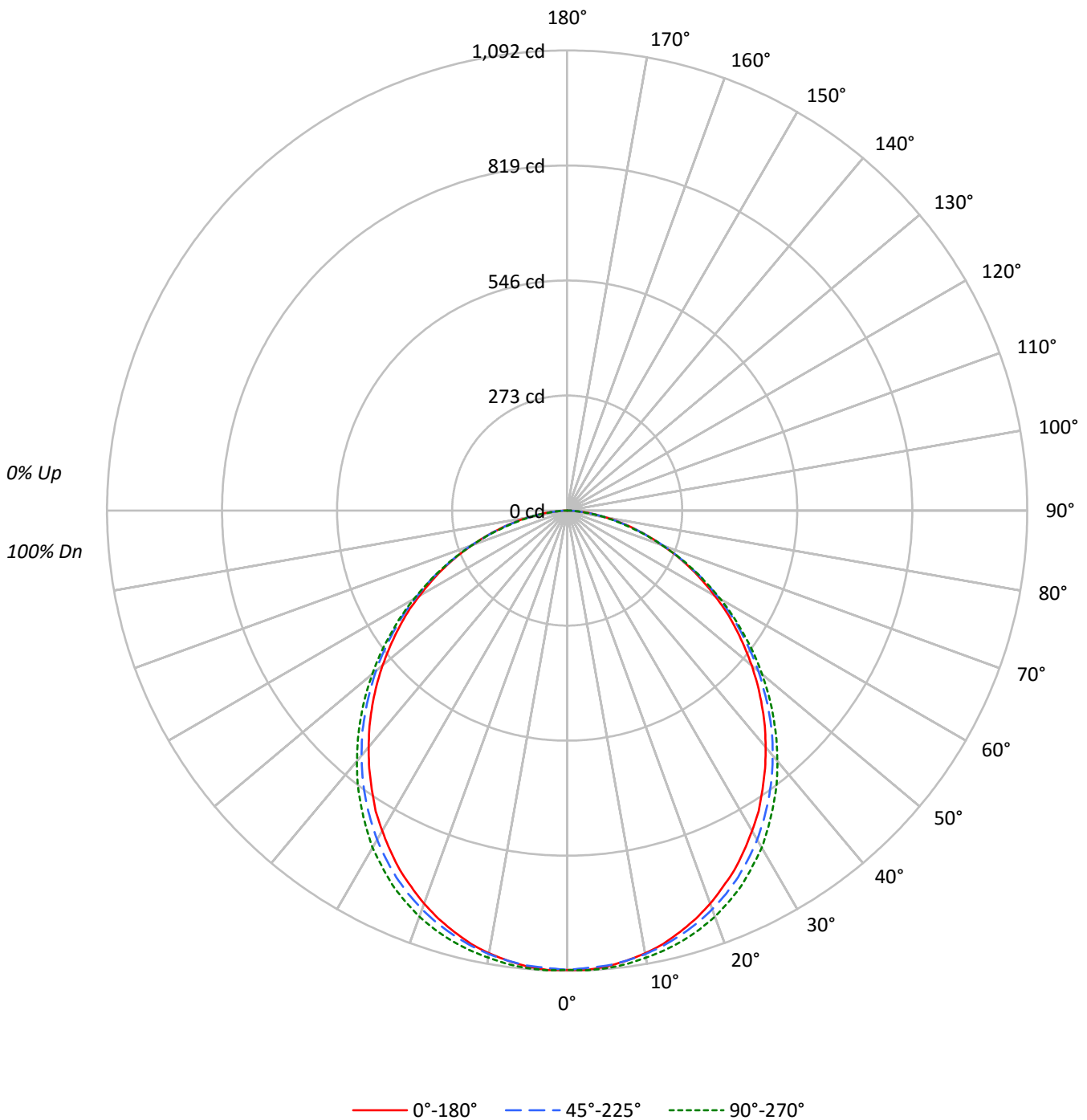
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1467	1467	1467
5°	1467	1464	1472
10°	1458	1460	1472
15°	1442	1452	1473
20°	1421	1442	1468
25°	1396	1425	1456
30°	1363	1401	1435
35°	1327	1370	1402
40°	1287	1333	1363
45°	1244	1290	1317
50°	1196	1241	1263
55°	1146	1182	1200
60°	1089	1117	1130
65°	1027	1042	1048
70°	942	953	942
75°	848	843	818
80°	718	711	688
85°	537	522	462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.6
10°-20°	294.8	10.3
20°-30°	442.0	15.4
30°-40°	520.5	18.2
40°-50°	520.6	18.2
50°-60°	449.2	15.7
60°-70°	323.2	11.3
70°-80°	171.4	6.0
80°-90°	40.9	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°	840.0	29.3
0°-40°	1360.6	47.5
0°-60°	2330.4	81.3
0°-90°	2866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1086	1085	1084	1088	1090	103
15°	1035	1038	1043	1053	1057	292
25°	940	946	960	976	981	433
35°	808	818	834	849	854	506
45°	654	662	678	689	692	504
55°	488	493	504	513	512	437
65°	322	323	327	329	329	319
75°	163	161	162	158	157	174
85°	35	35	34	31	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.0	1090.0	1090.0	1090.0	1090.0
2.5°	1091.0	1089.0	1086.1	1090.0	1091.9
5°	1086.1	1085.2	1084.2	1088.1	1090.0
7.5°	1077.4	1078.4	1077.4	1083.2	1085.2
10°	1066.8	1067.8	1068.8	1075.5	1077.4
12.5°	1053.3	1054.3	1057.2	1065.9	1068.8
15°	1035.0	1037.9	1042.7	1053.3	1057.2
17.5°	1015.7	1019.5	1026.3	1038.8	1042.7
20°	992.5	997.3	1007.0	1020.5	1025.3
22.5°	966.4	971.2	984.8	999.2	1004.1
25°	940.3	946.1	959.7	976.1	980.9
27.5°	909.5	917.2	931.7	948.1	951.9
30°	877.6	884.4	901.7	917.2	923.9
32.5°	845.7	852.5	868.9	884.4	889.2
35°	808.1	817.7	834.1	848.6	853.5
37.5°	771.4	780.1	797.5	811.9	816.8
40°	732.8	740.5	758.8	772.4	776.2
42.5°	694.2	701.9	720.2	730.8	734.7
45°	653.6	662.3	677.7	689.3	692.2
47.5°	613.1	619.8	634.3	644.9	648.8
50°	571.5	578.3	592.8	601.5	603.4
52.5°	530.0	534.9	548.4	556.1	559.0
55°	488.5	493.3	504.0	512.7	511.7
57.5°	448.9	450.9	461.5	467.3	467.3
60°	404.5	406.5	415.1	419.0	420.0
62.5°	363.0	365.9	372.7	373.6	373.6
65°	322.5	323.4	327.3	329.2	329.2
67.5°	281.9	280.9	284.8	284.8	283.8
70°	239.4	241.4	242.3	240.4	239.4
72.5°	200.8	199.8	199.8	198.9	198.9
75°	163.2	161.2	162.2	158.3	157.4
77.5°	128.4	125.5	124.5	122.6	120.7
80°	92.7	92.7	91.7	89.8	88.8
82.5°	61.8	61.8	60.8	58.9	57.0
85°	34.8	34.8	33.8	30.9	29.9
87.5°	11.6	11.6	11.6	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)