

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: P297794

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2064.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

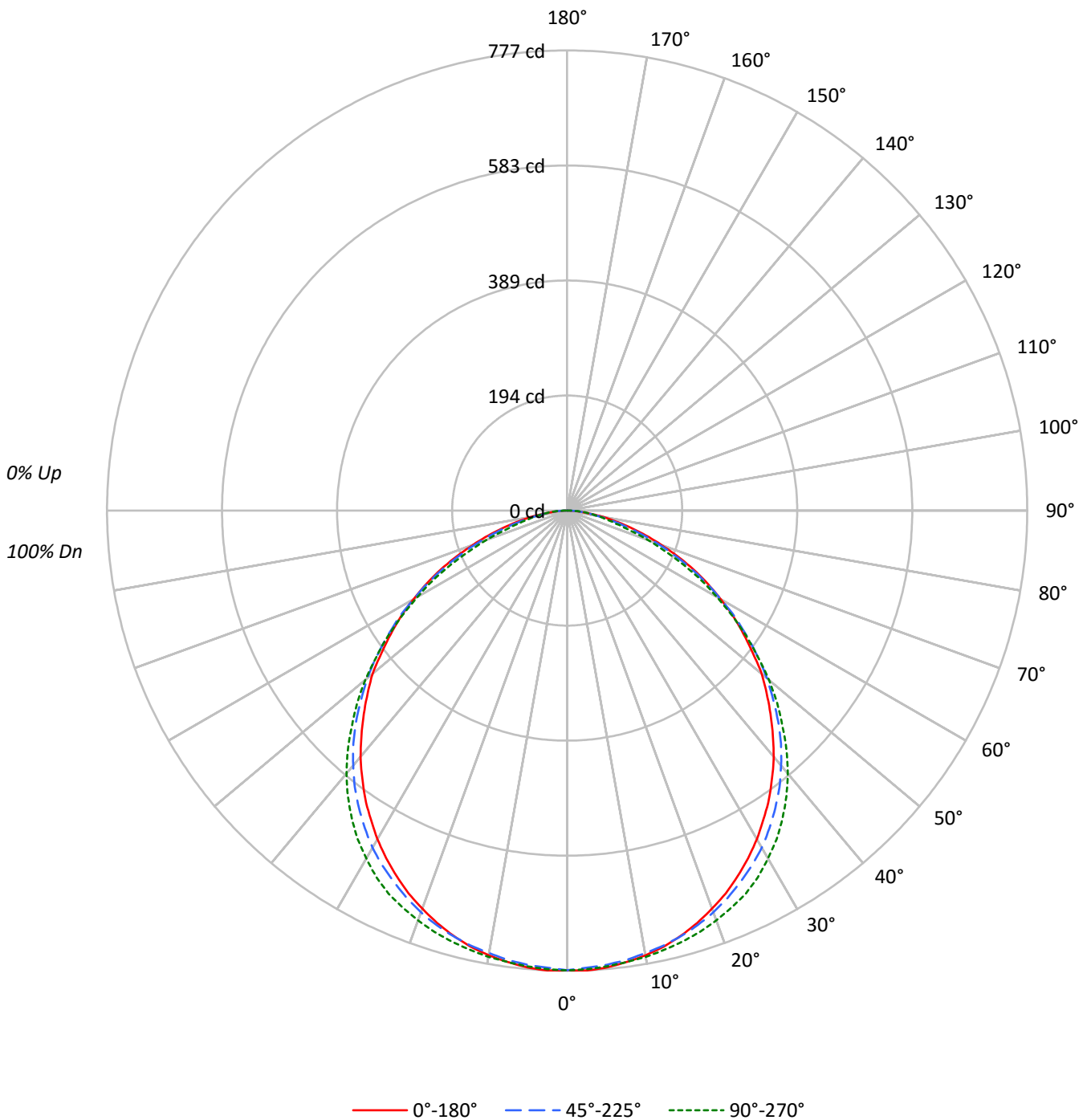
Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2089	2089	2089
5°	2092	2079	2087
10°	2083	2073	2091
15°	2070	2072	2098
20°	2048	2067	2109
25°	2023	2055	2119
30°	1991	2042	2108
35°	1953	2013	2083
40°	1906	1975	2036
45°	1848	1918	1956
50°	1797	1843	1863
55°	1706	1741	1732
60°	1615	1615	1570
65°	1499	1463	1381
70°	1329	1271	1147
75°	1152	1046	883
80°	944	815	801
85°	627	741	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.6
10°-20°	210.7	10.2
20°-30°	320.2	15.5
30°-40°	383.4	18.6
40°-50°	386.7	18.7
50°-60°	329.4	16.0
60°-70°	225.2	10.9
70°-80°	107.8	5.2
80°-90°	27.3	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°	604.2	29.3
0°-40°	987.6	47.8
0°-60°	1703.6	82.5
0°-90°	2064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	774	774	770	774	772	74
15°	743	741	744	752	753	210
25°	681	682	692	708	714	314
35°	594	596	613	630	634	371
45°	486	489	504	514	514	375
55°	364	366	371	372	369	326
65°	235	231	230	222	217	232
75°	111	109	101	88	85	118
85°	20	22	24	25	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	776.2	776.2	776.2	776.2	776.2
2.5°	777.2	776.2	772.5	776.2	775.3
5°	774.4	773.5	769.8	773.5	772.5
7.5°	768.8	767.9	765.2	768.8	768.8
10°	762.4	760.5	758.7	764.2	765.2
12.5°	754.1	752.2	752.2	758.7	759.6
15°	743.0	741.2	743.9	752.2	753.2
17.5°	730.1	729.2	733.8	743.9	745.8
20°	715.3	714.4	721.8	733.8	736.5
22.5°	699.6	699.6	707.9	721.8	725.5
25°	681.2	682.1	692.2	707.9	713.5
27.5°	661.8	663.6	675.6	693.2	697.8
30°	640.6	643.3	657.2	673.8	678.4
32.5°	617.5	620.2	635.9	653.5	658.1
35°	594.4	596.2	612.9	630.4	634.1
37.5°	568.6	571.3	588.9	604.6	608.2
40°	542.7	545.5	562.1	576.9	579.6
42.5°	514.1	517.8	534.4	546.4	548.3
45°	485.5	489.2	504.0	514.1	514.1
47.5°	456.9	458.7	471.6	481.8	480.9
50°	429.2	428.3	440.3	444.9	444.9
52.5°	395.0	397.8	406.1	408.9	406.1
55°	363.7	365.5	371.0	372.0	369.2
57.5°	333.2	332.3	336.9	334.1	330.4
60°	300.0	300.0	300.0	297.2	291.7
62.5°	267.7	265.8	264.9	258.4	255.7
65°	235.4	230.7	229.8	221.5	216.9
67.5°	201.2	199.4	194.8	186.4	178.1
70°	168.9	167.1	161.5	151.4	145.8
72.5°	139.4	137.5	130.1	118.1	110.8
75°	110.8	108.9	100.6	87.7	84.9
77.5°	84.0	83.1	74.8	68.3	67.4
80°	60.9	60.0	52.6	52.6	51.7
82.5°	38.8	38.8	36.9	37.8	38.8
85°	20.3	22.2	24.0	24.9	25.8
87.5°	6.5	10.2	12.0	12.9	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)