

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: P297796

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297796
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-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2237.0 lumens
Efficiency: N/A
Efficacy: 92.8 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

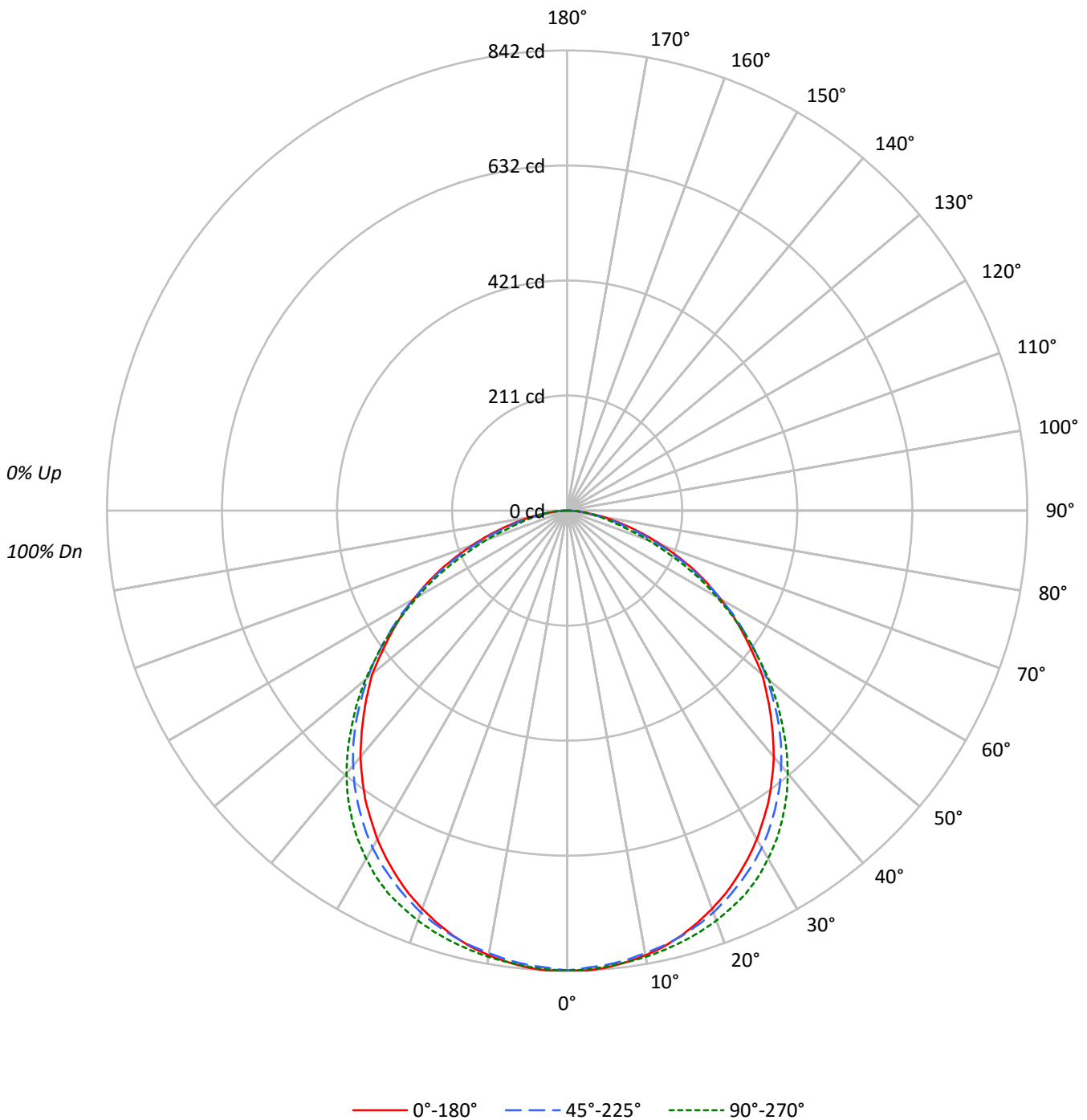
Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2264	2264	2264
5°	2267	2254	2262
10°	2258	2247	2266
15°	2243	2246	2274
20°	2220	2240	2286
25°	2192	2228	2296
30°	2157	2213	2285
35°	2116	2182	2258
40°	2066	2140	2207
45°	2003	2079	2120
50°	1948	1998	2019
55°	1849	1886	1877
60°	1750	1750	1701
65°	1624	1586	1497
70°	1441	1378	1244
75°	1248	1133	957
80°	1023	883	868
85°	679	803	865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	3.6
10°-20°	228.3	10.2
20°-30°	347.0	15.5
30°-40°	415.5	18.6
40°-50°	419.1	18.7
50°-60°	357.0	16.0
60°-70°	244.1	10.9
70°-80°	116.9	5.2
80°-90°	29.6	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°	654.9	29.3
0°-40°	1070.4	47.8
0°-60°	1846.4	82.5
0°-90°	2237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	839	838	834	838	837	80
15°	805	803	806	815	816	227
25°	738	739	750	767	773	340
35°	644	646	664	683	687	402
45°	526	530	546	557	557	406
55°	394	396	402	403	400	353
65°	255	250	249	240	235	252
75°	120	118	109	95	92	128
85°	22	24	26	27	28	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.3	841.3	841.3	841.3	841.3
2.5°	842.3	841.3	837.3	841.3	840.3
5°	839.3	838.3	834.3	838.3	837.3
7.5°	833.3	832.3	829.3	833.3	833.3
10°	826.3	824.3	822.3	828.3	829.3
12.5°	817.3	815.3	815.3	822.3	823.3
15°	805.3	803.3	806.3	815.3	816.3
17.5°	791.3	790.3	795.3	806.3	808.3
20°	775.3	774.3	782.3	795.3	798.3
22.5°	758.3	758.3	767.3	782.3	786.3
25°	738.3	739.3	750.3	767.3	773.3
27.5°	717.3	719.3	732.3	751.3	756.3
30°	694.2	697.2	712.2	730.3	735.3
32.5°	669.2	672.2	689.2	708.2	713.2
35°	644.2	646.2	664.2	683.2	687.2
37.5°	616.2	619.2	638.2	655.2	659.2
40°	588.2	591.2	609.2	625.2	628.2
42.5°	557.2	561.2	579.2	592.2	594.2
45°	526.2	530.2	546.2	557.2	557.2
47.5°	495.2	497.2	511.2	522.2	521.2
50°	465.2	464.2	477.2	482.2	482.2
52.5°	428.1	431.2	440.2	443.2	440.2
55°	394.1	396.1	402.1	403.1	400.1
57.5°	361.1	360.1	365.1	362.1	358.1
60°	325.1	325.1	325.1	322.1	316.1
62.5°	290.1	288.1	287.1	280.1	277.1
65°	255.1	250.1	249.1	240.1	235.1
67.5°	218.1	216.1	211.1	202.1	193.1
70°	183.1	181.1	175.1	164.1	158.1
72.5°	151.1	149.1	141.0	128.0	120.0
75°	120.0	118.0	109.0	95.0	92.0
77.5°	91.0	90.0	81.0	74.0	73.0
80°	66.0	65.0	57.0	57.0	56.0
82.5°	42.0	42.0	40.0	41.0	42.0
85°	22.0	24.0	26.0	27.0	28.0
87.5°	7.0	11.0	13.0	14.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)