

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: P298226

Luminaire Tested: **D3X-WG-25L93050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-25L93050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1799.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

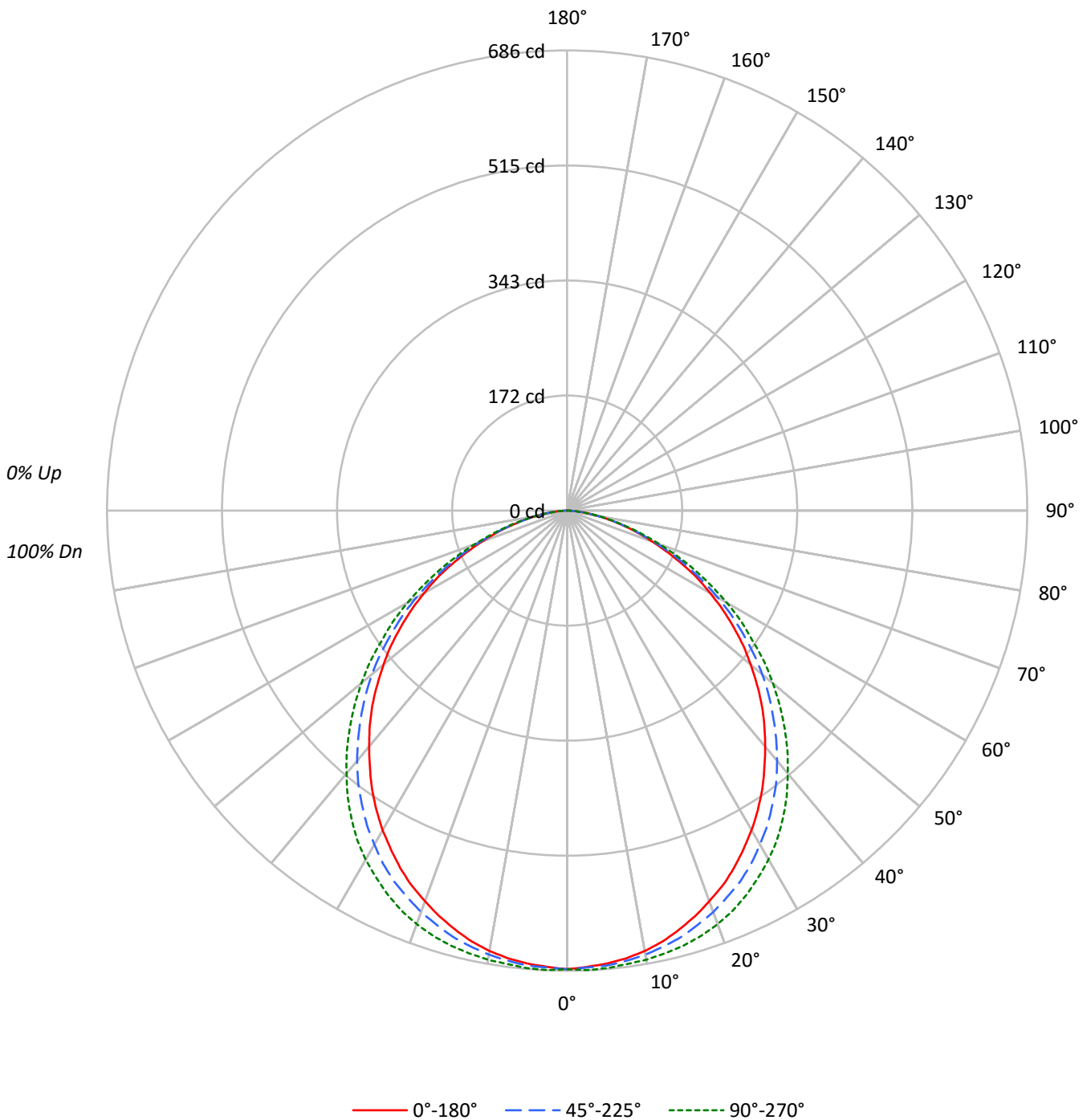
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	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	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1840	1840	1840
5°	1831	1839	1849
10°	1821	1837	1858
15°	1801	1833	1870
20°	1775	1824	1879
25°	1746	1811	1877
30°	1709	1786	1866
35°	1666	1754	1841
40°	1613	1711	1798
45°	1563	1653	1744
50°	1495	1591	1675
55°	1420	1501	1582
60°	1326	1398	1480
65°	1210	1265	1338
70°	1059	1105	1149
75°	904	923	963
80°	725	739	755
85°	531	500	472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.6
10°-20°	185.7	10.3
20°-30°	280.8	15.6
30°-40°	333.5	18.5
40°-50°	334.8	18.6
50°-60°	286.0	15.9
60°-70°	197.0	11.0
70°-80°	95.5	5.3
80°-90°	20.9	1.2
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°	531.2	29.5
0°-40°	864.7	48.1
0°-60°	1485.5	82.6
0°-90°	1799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	678	678	681	683	685	64
15°	646	649	658	666	671	182
25°	588	593	610	626	632	271
35°	507	515	534	554	560	317
45°	411	416	434	453	458	316
55°	303	308	320	333	337	271
65°	190	190	199	207	210	188
75°	87	85	89	91	93	93
85°	17	17	16	15	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	683.7	683.7	683.7	683.7	683.7
2.5°	680.8	680.8	681.8	684.6	685.6
5°	677.9	677.9	680.8	682.7	684.6
7.5°	673.2	674.1	677.0	680.8	681.8
10°	666.5	667.4	672.2	677.0	679.8
12.5°	657.9	659.8	665.5	673.2	676.0
15°	646.4	649.3	657.9	666.5	671.2
17.5°	634.0	637.8	647.4	659.8	664.6
20°	619.7	624.5	636.9	650.2	656.0
22.5°	605.4	609.2	623.5	638.8	645.5
25°	588.2	593.0	610.1	626.4	632.1
27.5°	569.1	575.8	593.9	611.1	616.8
30°	550.0	555.7	574.8	593.9	600.6
32.5°	529.0	534.7	555.7	574.8	582.4
35°	507.0	514.7	533.8	553.8	560.5
37.5°	483.1	491.7	511.8	529.0	537.6
40°	459.3	466.9	487.0	505.1	511.8
42.5°	435.4	442.1	461.2	480.3	486.0
45°	410.6	416.3	434.4	452.6	458.3
47.5°	383.8	390.5	407.7	423.0	429.7
50°	357.1	363.8	380.0	394.3	400.1
52.5°	331.3	335.1	350.4	363.8	370.5
55°	302.7	307.5	319.9	333.2	337.1
57.5°	275.0	277.9	290.3	301.7	307.5
60°	246.3	248.3	259.7	268.3	275.0
62.5°	219.6	219.6	228.2	237.8	241.6
65°	190.0	190.0	198.6	207.2	210.1
67.5°	161.4	163.3	169.0	175.7	177.6
70°	134.6	134.6	140.4	145.1	146.1
72.5°	110.8	109.8	112.7	116.5	118.4
75°	86.9	85.0	88.8	90.7	92.6
77.5°	65.9	64.9	66.8	68.7	68.7
80°	46.8	45.8	47.7	47.7	48.7
82.5°	30.6	31.5	31.5	30.6	29.6
85°	17.2	17.2	16.2	15.3	15.3
87.5°	5.7	5.7	5.7	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)