

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: P298264

Luminaire Tested: **D3X-WG-25L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298264
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-25L92765-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2095.0 lumens
Efficiency: N/A
Efficacy: 108.5 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

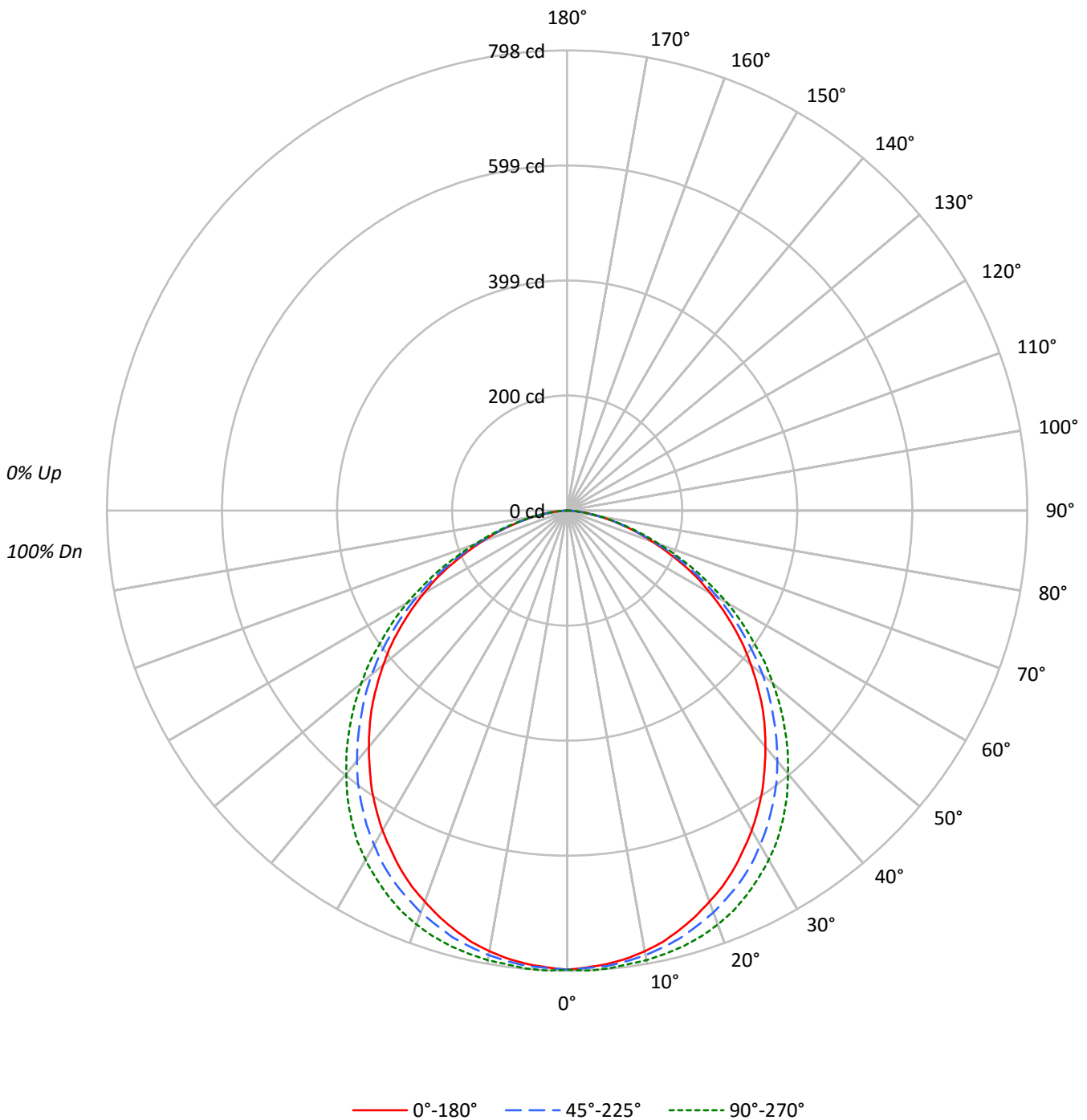
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2142	2142	2142
5°	2133	2142	2154
10°	2121	2139	2163
15°	2097	2134	2178
20°	2066	2124	2188
25°	2034	2110	2186
30°	1990	2080	2173
35°	1940	2042	2144
40°	1879	1992	2094
45°	1819	1925	2031
50°	1741	1853	1950
55°	1654	1748	1841
60°	1544	1628	1723
65°	1409	1473	1557
70°	1234	1286	1338
75°	1052	1075	1122
80°	845	862	879
85°	618	584	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	3.6
10°-20°	216.3	10.3
20°-30°	327.0	15.6
30°-40°	388.4	18.5
40°-50°	389.9	18.6
50°-60°	333.0	15.9
60°-70°	229.5	11.0
70°-80°	111.3	5.3
80°-90°	24.4	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°	618.6	29.5
0°-40°	1007.0	48.1
0°-60°	1729.9	82.6
0°-90°	2095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	790	790	793	795	797	75
15°	753	756	766	776	782	212
25°	685	690	710	729	736	315
35°	590	599	622	645	653	369
45°	478	485	506	527	534	368
55°	352	358	372	388	392	315
65°	221	221	231	241	245	219
75°	101	99	103	106	108	109
85°	20	20	19	18	18	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.1	796.1	796.1	796.1	796.1
2.5°	792.8	792.8	793.9	797.3	798.4
5°	789.5	789.5	792.8	795.0	797.3
7.5°	783.9	785.0	788.4	792.8	793.9
10°	776.1	777.2	782.8	788.4	791.7
12.5°	766.1	768.3	775.0	783.9	787.3
15°	752.8	756.1	766.1	776.1	781.7
17.5°	738.3	742.8	753.9	768.3	773.9
20°	721.6	727.2	741.7	757.2	763.9
22.5°	705.0	709.4	726.1	743.9	751.7
25°	685.0	690.5	710.5	729.4	736.1
27.5°	662.7	670.5	691.6	711.6	718.3
30°	640.5	647.1	669.4	691.6	699.4
32.5°	616.0	622.7	647.1	669.4	678.3
35°	590.4	599.3	621.6	644.9	652.7
37.5°	562.6	572.6	596.0	616.0	626.0
40°	534.8	543.7	567.1	588.2	596.0
42.5°	507.0	514.8	537.1	559.3	566.0
45°	478.1	484.8	505.9	527.1	533.7
47.5°	447.0	454.8	474.8	492.6	500.4
50°	415.9	423.6	442.6	459.2	465.9
52.5°	385.8	390.3	408.1	423.6	431.4
55°	352.5	358.0	372.5	388.1	392.5
57.5°	320.2	323.6	338.0	351.4	358.0
60°	286.9	289.1	302.4	312.5	320.2
62.5°	255.7	255.7	265.8	276.9	281.3
65°	221.3	221.3	231.3	241.3	244.6
67.5°	187.9	190.1	196.8	204.6	206.8
70°	156.8	156.8	163.5	169.0	170.1
72.5°	129.0	127.9	131.2	135.7	137.9
75°	101.2	99.0	103.4	105.6	107.9
77.5°	76.7	75.6	77.8	80.1	80.1
80°	54.5	53.4	55.6	55.6	56.7
82.5°	35.6	36.7	36.7	35.6	34.5
85°	20.0	20.0	18.9	17.8	17.8
87.5°	6.7	6.7	6.7	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)