

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: P298176

Luminaire Tested: **D3X-WG-25L82765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298176
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-25L82765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2122.0 lumens
Efficiency: N/A
Efficacy: 112.3 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

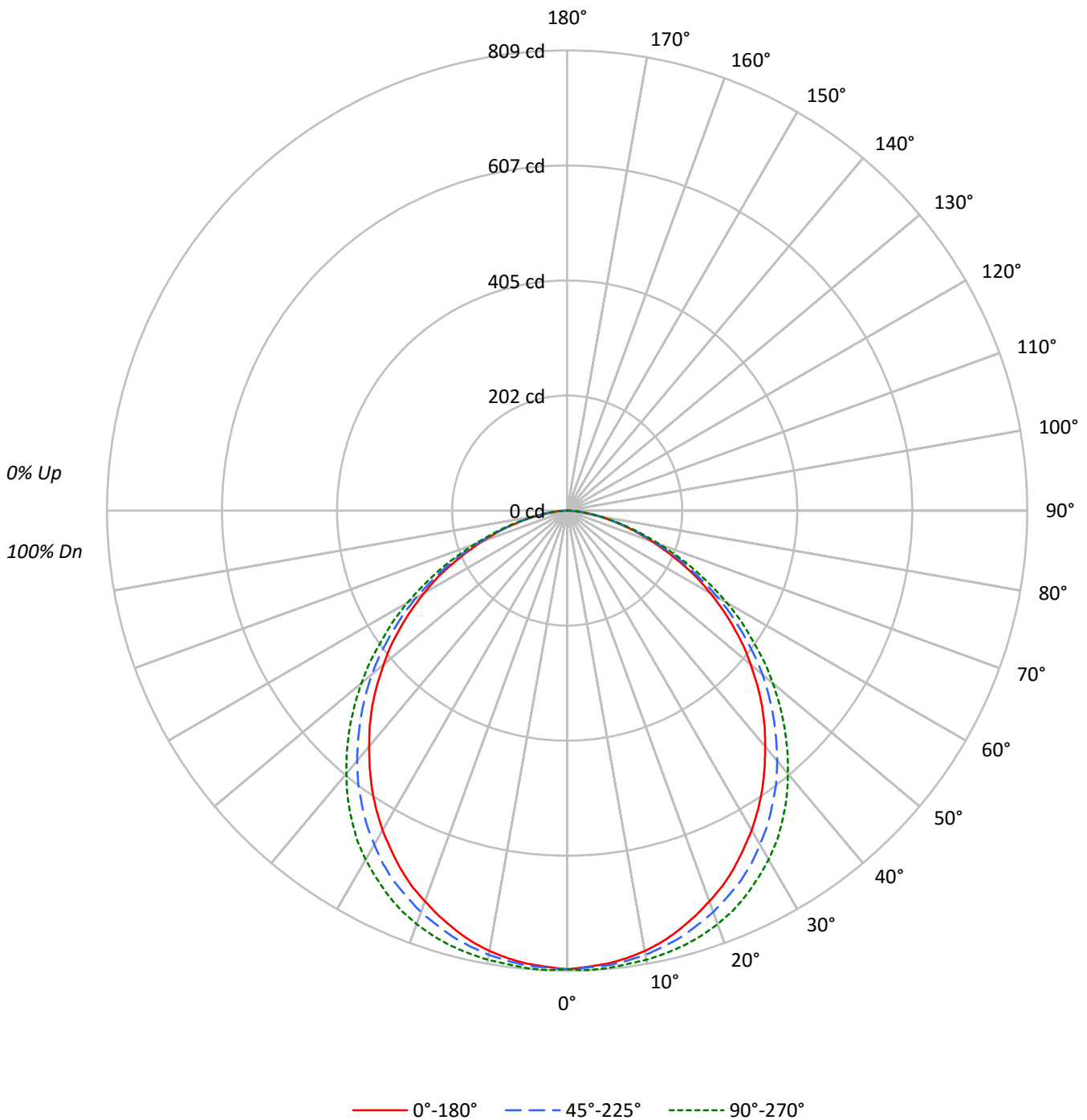
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2170	2170	2170
5°	2160	2169	2181
10°	2148	2167	2191
15°	2124	2162	2206
20°	2093	2151	2216
25°	2060	2137	2214
30°	2016	2107	2201
35°	1964	2068	2172
40°	1903	2018	2121
45°	1843	1950	2057
50°	1763	1877	1976
55°	1675	1770	1865
60°	1564	1648	1746
65°	1427	1492	1578
70°	1249	1303	1356
75°	1066	1089	1135
80°	855	872	890
85°	627	590	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.6
10°-20°	219.1	10.3
20°-30°	331.2	15.6
30°-40°	393.4	18.5
40°-50°	394.9	18.6
50°-60°	337.3	15.9
60°-70°	232.4	11.0
70°-80°	112.7	5.3
80°-90°	24.7	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
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0°-30°	626.6	29.5
0°-40°	1020.0	48.1
0°-60°	1752.2	82.6
0°-90°	2122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	800	800	803	805	808	76
15°	762	766	776	786	792	215
25°	694	699	720	739	746	319
35°	598	607	630	653	661	374
45°	484	491	512	534	541	373
55°	357	363	377	393	398	319
65°	224	224	234	244	248	222
75°	102	100	105	107	109	110
85°	20	20	19	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	806.4	806.4	806.4	806.4	806.4
2.5°	803.0	803.0	804.2	807.5	808.7
5°	799.7	799.7	803.0	805.3	807.5
7.5°	794.0	795.1	798.5	803.0	804.2
10°	786.1	787.3	792.9	798.5	801.9
12.5°	776.0	778.3	785.0	794.0	797.4
15°	762.5	765.9	776.0	786.1	791.8
17.5°	747.8	752.3	763.6	778.3	783.9
20°	730.9	736.6	751.2	767.0	773.7
22.5°	714.1	718.6	735.5	753.5	761.4
25°	693.8	699.4	719.7	738.8	745.6
27.5°	671.3	679.1	700.5	720.8	727.6
30°	648.7	655.5	678.0	700.5	708.4
32.5°	624.0	630.7	655.5	678.0	687.0
35°	598.0	607.1	629.6	653.2	661.1
37.5°	569.9	580.0	603.7	624.0	634.1
40°	541.7	550.7	574.4	595.8	603.7
42.5°	513.6	521.5	544.0	566.5	573.3
45°	484.3	491.1	512.5	533.9	540.6
47.5°	452.8	460.6	480.9	498.9	506.8
50°	421.2	429.1	448.3	465.1	471.9
52.5°	390.8	395.3	413.3	429.1	437.0
55°	357.0	362.7	377.3	393.1	397.6
57.5°	324.4	327.7	342.4	355.9	362.7
60°	290.6	292.8	306.3	316.5	324.4
62.5°	259.0	259.0	269.2	280.4	284.9
65°	224.1	224.1	234.3	244.4	247.8
67.5°	190.3	192.6	199.3	207.2	209.5
70°	158.8	158.8	165.6	171.2	172.3
72.5°	130.6	129.5	132.9	137.4	139.7
75°	102.5	100.2	104.7	107.0	109.2
77.5°	77.7	76.6	78.8	81.1	81.1
80°	55.2	54.1	56.3	56.3	57.4
82.5°	36.0	37.2	37.2	36.0	34.9
85°	20.3	20.3	19.1	18.0	18.0
87.5°	6.8	6.8	6.8	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)