

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: P298228

Luminaire Tested: **D3X-WG-25L93050-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298228
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-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.0 lumens
Efficiency: N/A
Efficacy: 110.0 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

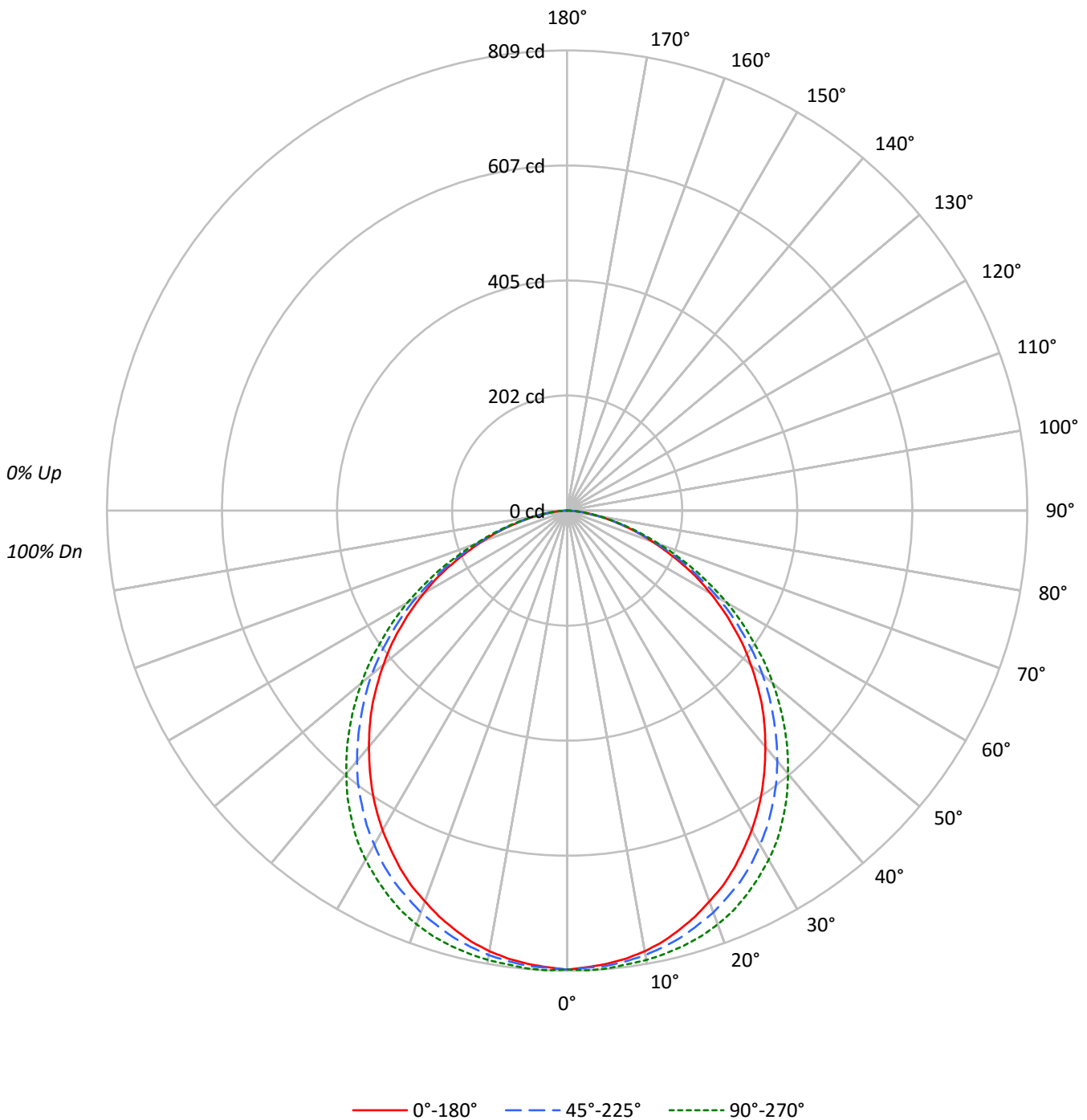
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2171	2171	2171
5°	2161	2170	2182
10°	2149	2168	2192
15°	2125	2163	2207
20°	2094	2152	2217
25°	2061	2138	2215
30°	2017	2108	2202
35°	1965	2069	2173
40°	1904	2019	2122
45°	1844	1951	2058
50°	1764	1878	1976
55°	1676	1771	1866
60°	1565	1650	1746
65°	1428	1493	1578
70°	1250	1303	1356
75°	1066	1090	1136
80°	855	872	891
85°	627	593	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	3.6
10°-20°	219.2	10.3
20°-30°	331.3	15.6
30°-40°	393.6	18.5
40°-50°	395.1	18.6
50°-60°	337.5	15.9
60°-70°	232.5	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
0°-30°	626.9	29.5
0°-40°	1020.5	48.1
0°-60°	1753.1	82.6
0°-90°	2123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	807	807	807	807	807	
5°	800	800	803	806	808	76
15°	763	766	776	786	792	215
25°	694	700	720	739	746	319
35°	598	607	630	654	661	374
45°	484	491	513	534	541	373
55°	357	363	378	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°	806.8	806.8	806.8	806.8	806.8
2.5°	803.4	803.4	804.5	807.9	809.0
5°	800.0	800.0	803.4	805.7	807.9
7.5°	794.4	795.5	798.9	803.4	804.5
10°	786.5	787.6	793.3	798.9	802.3
12.5°	776.4	778.6	785.4	794.4	797.8
15°	762.8	766.2	776.4	786.5	792.1
17.5°	748.2	752.7	764.0	778.6	784.3
20°	731.3	736.9	751.6	767.4	774.1
22.5°	714.4	718.9	735.8	753.8	761.7
25°	694.1	699.7	720.0	739.2	745.9
27.5°	671.6	679.5	700.9	721.2	727.9
30°	649.0	655.8	678.3	700.9	708.8
32.5°	624.2	631.0	655.8	678.3	687.3
35°	598.3	607.3	629.9	653.5	661.4
37.5°	570.2	580.3	604.0	624.2	634.4
40°	542.0	551.0	574.7	596.1	604.0
42.5°	513.8	521.7	544.2	566.8	573.5
45°	484.5	491.3	512.7	534.1	540.9
47.5°	453.0	460.9	481.1	499.2	507.1
50°	421.4	429.3	448.5	465.4	472.1
52.5°	391.0	395.5	413.5	429.3	437.2
55°	357.2	362.8	377.5	393.3	397.8
57.5°	324.5	327.9	342.5	356.1	362.8
60°	290.7	293.0	306.5	316.6	324.5
62.5°	259.2	259.2	269.3	280.6	285.1
65°	224.2	224.2	234.4	244.5	247.9
67.5°	190.4	192.7	199.4	207.3	209.6
70°	158.9	158.9	165.6	171.3	172.4
72.5°	130.7	129.6	133.0	137.5	139.7
75°	102.5	100.3	104.8	107.0	109.3
77.5°	77.7	76.6	78.9	81.1	81.1
80°	55.2	54.1	56.3	56.3	57.5
82.5°	36.1	37.2	37.2	36.1	34.9
85°	20.3	20.3	19.2	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)