

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: P298086

Luminaire Tested: **D3X-WD-20L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-20L92765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1639.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

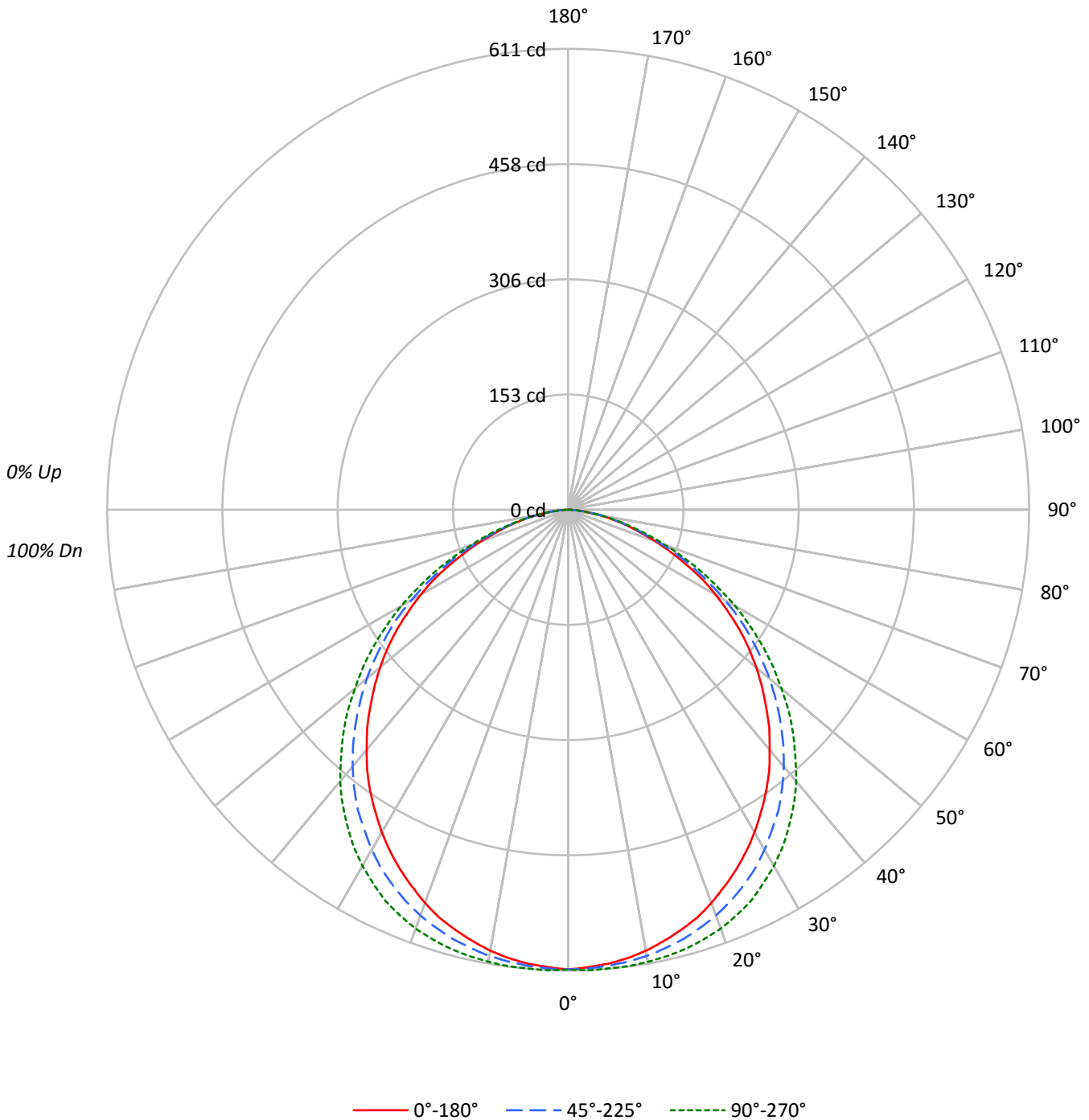
Input Watts (W): 15.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1640	1640	1640
5°	1632	1640	1649
10°	1622	1642	1663
15°	1607	1642	1679
20°	1589	1640	1693
25°	1564	1632	1700
30°	1535	1617	1694
35°	1501	1597	1678
40°	1460	1562	1652
45°	1413	1514	1605
50°	1363	1459	1544
55°	1300	1386	1474
60°	1215	1292	1377
65°	1101	1168	1242
70°	972	1020	1076
75°	835	853	890
80°	669	683	697
85°	491	435	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	3.5
10°-20°	166.4	10.2
20°-30°	253.1	15.4
30°-40°	302.8	18.5
40°-50°	306.2	18.7
50°-60°	263.5	16.1
60°-70°	181.9	11.1
70°-80°	88.2	5.4
80°-90°	19.1	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°	477.3	29.1
0°-40°	780.1	47.6
0°-60°	1349.8	82.4
0°-90°	1639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	604	605	607	610	610	57
15°	577	580	589	598	603	163
25°	527	533	550	566	573	243
35°	457	465	486	504	511	286
45°	371	378	398	415	422	287
55°	277	281	296	309	314	247
65°	173	176	184	191	195	172
75°	80	78	82	85	86	85
85°	16	16	14	14	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	609.6	609.6	609.6	609.6	609.6
2.5°	607.0	607.0	608.7	610.5	611.4
5°	604.3	605.2	607.0	609.6	610.5
7.5°	599.9	600.8	604.3	608.7	610.5
10°	593.7	595.5	600.8	606.1	608.7
12.5°	585.8	589.3	595.5	602.6	606.1
15°	577.0	580.5	589.3	598.1	602.6
17.5°	567.3	570.8	581.4	592.8	597.3
20°	554.9	560.2	572.6	585.8	591.1
22.5°	540.8	547.9	562.0	576.1	582.3
25°	526.7	532.9	549.6	566.4	572.6
27.5°	510.8	517.9	536.4	553.1	559.3
30°	494.0	501.1	520.5	539.0	545.2
32.5°	475.5	484.3	502.9	522.3	529.3
35°	457.0	464.9	486.1	503.7	510.8
37.5°	437.6	444.6	465.8	484.3	491.4
40°	415.5	423.5	444.6	463.2	470.2
42.5°	394.4	402.3	421.7	439.3	445.5
45°	371.4	378.5	397.9	414.6	421.7
47.5°	348.5	356.4	373.2	389.9	397.0
50°	325.5	331.7	348.5	364.4	368.8
52.5°	301.7	307.0	322.0	336.1	342.3
55°	277.0	281.4	295.5	308.8	314.1
57.5°	250.5	255.8	269.1	278.8	285.0
60°	225.8	228.5	240.0	249.7	255.8
62.5°	201.1	202.0	210.8	220.6	224.1
65°	172.9	175.6	183.5	191.4	195.0
67.5°	147.3	150.0	156.2	162.3	165.0
70°	123.5	123.5	129.7	134.1	136.7
72.5°	99.7	100.6	105.0	107.6	110.3
75°	80.3	78.5	82.0	84.7	85.6
77.5°	60.0	59.1	61.8	62.6	64.4
80°	43.2	43.2	44.1	45.0	45.0
82.5°	28.2	28.2	29.1	27.3	26.5
85°	15.9	15.9	14.1	14.1	14.1
87.5°	5.3	5.3	5.3	6.2	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)