

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: P298085

Luminaire Tested: **D3X-WD-20L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298085
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-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1588.0 lumens
Efficiency: N/A
Efficacy: 103.1 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

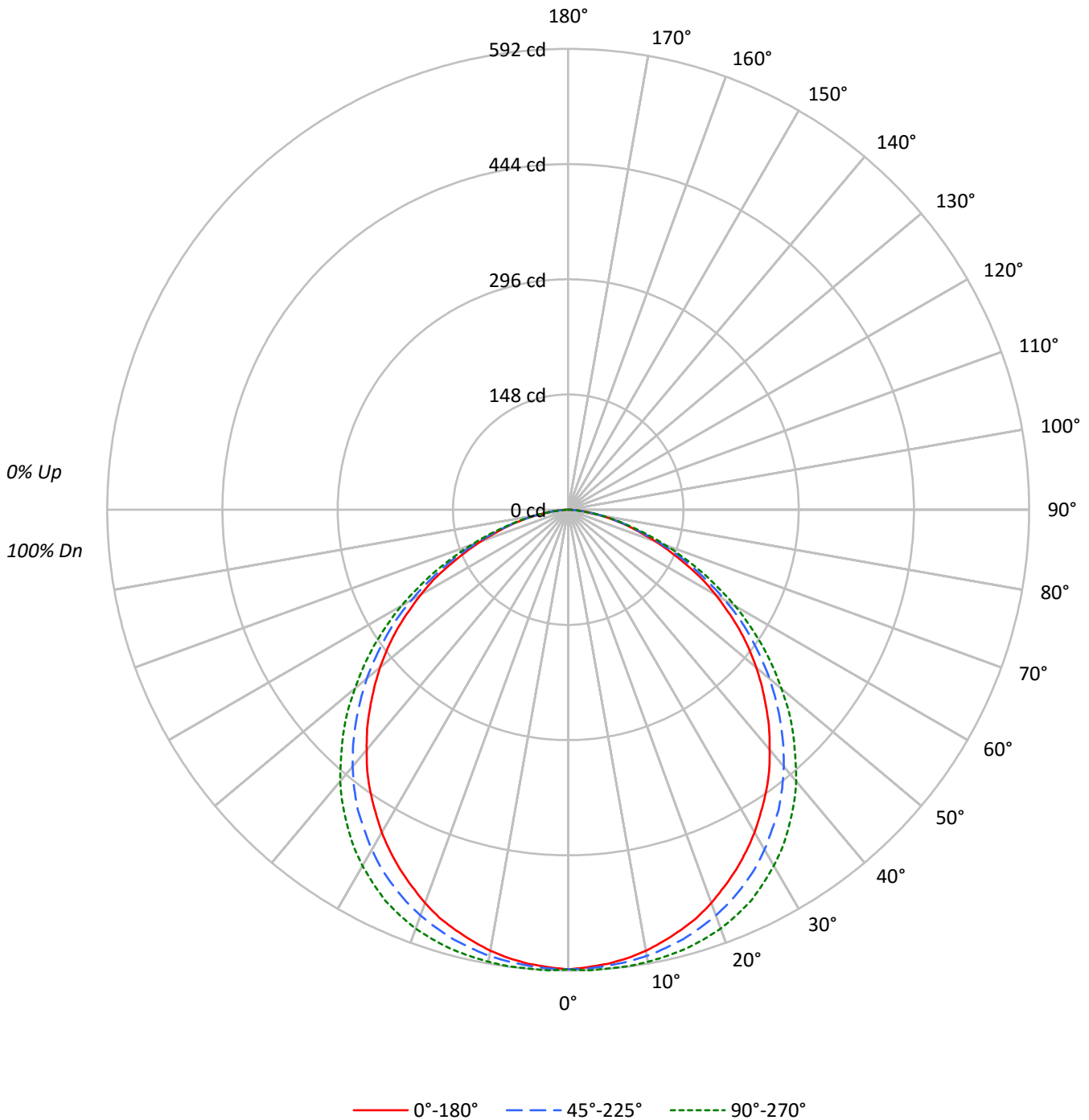
Input Watts (W): 15.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1589	1589	1589
5°	1582	1589	1598
10°	1572	1591	1612
15°	1557	1591	1626
20°	1540	1588	1640
25°	1515	1581	1647
30°	1487	1567	1641
35°	1455	1547	1626
40°	1414	1513	1600
45°	1370	1467	1555
50°	1320	1413	1496
55°	1259	1343	1428
60°	1178	1251	1334
65°	1067	1132	1203
70°	942	989	1042
75°	809	827	862
80°	649	662	676
85°	475	423	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	3.5
10°-20°	161.2	10.2
20°-30°	245.2	15.4
30°-40°	293.4	18.5
40°-50°	296.6	18.7
50°-60°	255.3	16.1
60°-70°	176.2	11.1
70°-80°	85.5	5.4
80°-90°	18.5	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°	462.5	29.1
0°-40°	755.9	47.6
0°-60°	1307.8	82.4
0°-90°	1588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	591	591	591	591	591	
5°	586	586	588	591	592	56
15°	559	562	571	580	584	158
25°	510	516	532	549	555	235
35°	443	450	471	488	495	277
45°	360	367	386	402	409	278
55°	268	273	286	299	304	239
65°	168	170	178	186	189	167
75°	78	76	80	82	83	83
85°	15	15	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°	590.6	590.6	590.6	590.6	590.6
2.5°	588.1	588.1	589.8	591.5	592.4
5°	585.5	586.4	588.1	590.6	591.5
7.5°	581.2	582.1	585.5	589.8	591.5
10°	575.3	577.0	582.1	587.2	589.8
12.5°	567.6	571.0	577.0	583.8	587.2
15°	559.0	562.4	571.0	579.5	583.8
17.5°	549.6	553.0	563.3	574.4	578.7
20°	537.6	542.8	554.7	567.6	572.7
22.5°	524.0	530.8	544.5	558.2	564.1
25°	510.3	516.3	532.5	548.8	554.7
27.5°	494.9	501.7	519.7	535.9	541.9
30°	478.7	485.5	504.3	522.3	528.2
32.5°	460.7	469.3	487.2	506.0	512.9
35°	442.8	450.5	471.0	488.1	494.9
37.5°	424.0	430.8	451.3	469.3	476.1
40°	402.6	410.3	430.8	448.8	455.6
42.5°	382.1	389.8	408.6	425.7	431.7
45°	359.9	366.7	385.5	401.7	408.6
47.5°	337.6	345.3	361.6	377.8	384.6
50°	315.4	321.4	337.6	353.0	357.3
52.5°	292.3	297.5	312.0	325.7	331.6
55°	268.4	272.7	286.3	299.2	304.3
57.5°	242.8	247.9	260.7	270.1	276.1
60°	218.8	221.4	232.5	241.9	247.9
62.5°	194.9	195.7	204.3	213.7	217.1
65°	167.5	170.1	177.8	185.5	188.9
67.5°	142.7	145.3	151.3	157.3	159.8
70°	119.7	119.7	125.7	129.9	132.5
72.5°	96.6	97.4	101.7	104.3	106.8
75°	77.8	76.1	79.5	82.1	82.9
77.5°	58.1	57.3	59.8	60.7	62.4
80°	41.9	41.9	42.7	43.6	43.6
82.5°	27.4	27.4	28.2	26.5	25.6
85°	15.4	15.4	13.7	13.7	13.7
87.5°	5.1	5.1	5.1	6.0	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)