

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: P298348

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2504.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

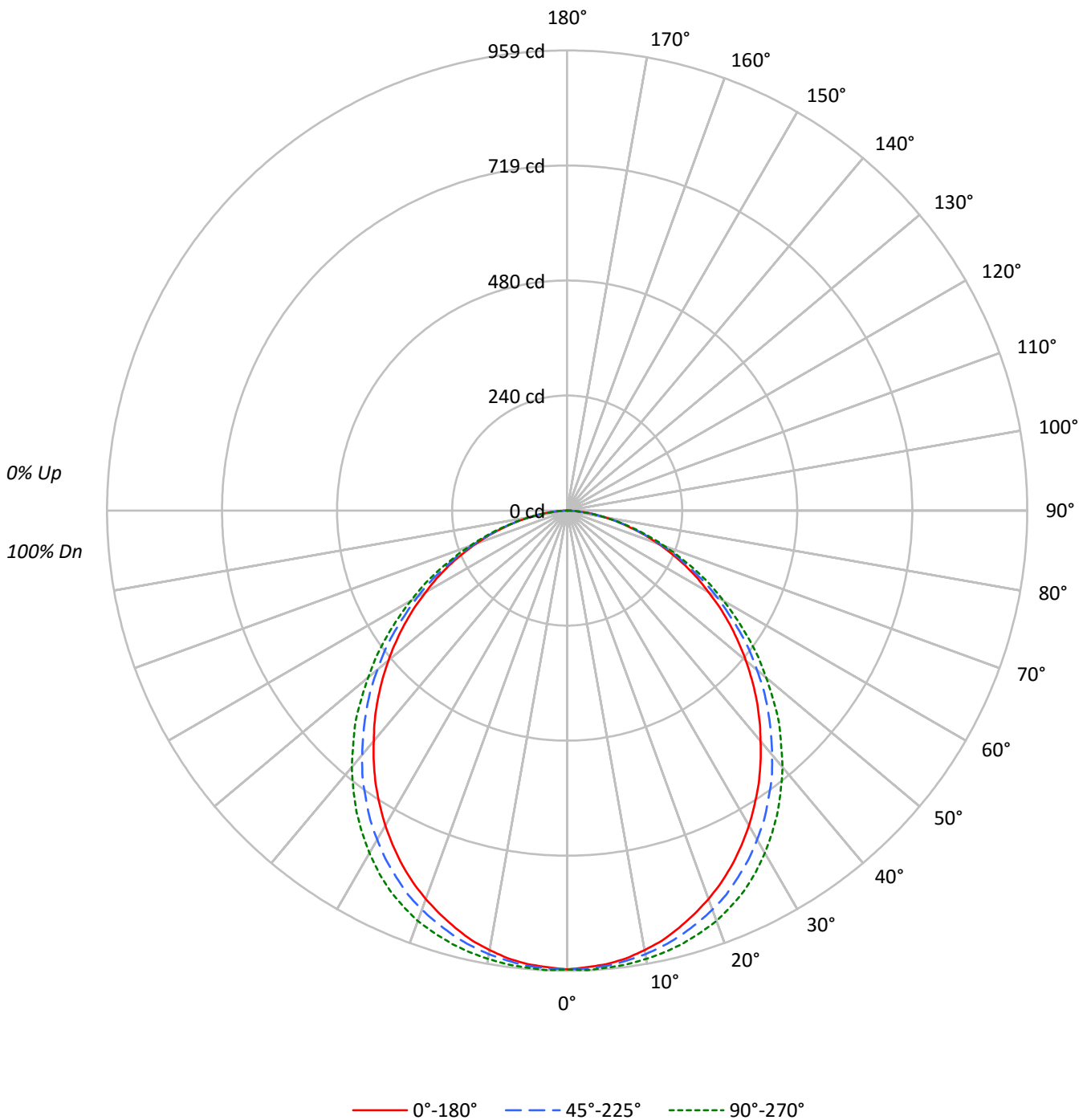
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2573	2573	2573
5°	2563	2573	2583
10°	2541	2565	2593
15°	2508	2553	2601
20°	2467	2535	2606
25°	2417	2502	2595
30°	2355	2460	2561
35°	2285	2404	2515
40°	2203	2334	2453
45°	2125	2254	2377
50°	2035	2161	2265
55°	1942	2059	2158
60°	1832	1939	2026
65°	1731	1794	1882
70°	1589	1638	1697
75°	1413	1451	1491
80°	1216	1198	1198
85°	923	846	769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.6
10°-20°	258.6	10.3
20°-30°	388.2	15.5
30°-40°	456.9	18.2
40°-50°	455.7	18.2
50°-60°	391.1	15.6
60°-70°	280.1	11.2
70°-80°	148.3	5.9
80°-90°	34.7	1.4
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°	737.2	29.4
0°-40°	1194.1	47.7
0°-60°	2040.9	81.5
0°-90°	2504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	949	949	952	955	956	90
15°	900	904	916	929	934	254
25°	814	822	843	864	874	375
35°	696	704	732	757	766	435
45°	558	567	592	613	625	430
55°	414	420	439	454	460	370
65°	272	273	282	293	296	268
75°	136	136	140	142	143	146
85°	30	29	27	25	25	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.3	956.3	956.3	956.3	956.3
2.5°	952.5	952.5	955.0	957.5	958.7
5°	948.8	948.8	952.5	955.0	956.3
7.5°	941.3	941.3	946.3	951.3	953.8
10°	930.1	932.6	938.8	946.3	948.8
12.5°	917.6	920.1	928.8	938.8	942.5
15°	900.2	903.9	916.4	928.8	933.8
17.5°	881.5	886.4	901.4	916.4	922.6
20°	861.5	866.5	885.2	902.6	910.1
22.5°	839.1	845.3	866.5	885.2	892.7
25°	814.1	821.6	842.8	864.0	874.0
27.5°	786.7	795.4	819.1	841.6	850.3
30°	758.0	768.0	791.7	815.4	824.1
32.5°	726.9	735.6	764.3	786.7	795.4
35°	695.7	704.4	731.8	756.8	765.5
37.5°	662.0	673.2	700.7	723.1	731.8
40°	627.1	638.3	664.5	690.7	698.2
42.5°	593.5	603.4	628.4	652.0	659.5
45°	558.5	567.3	592.2	613.4	624.6
47.5°	522.4	531.1	556.0	576.0	582.2
50°	486.2	495.0	516.2	533.6	541.1
52.5°	450.1	458.8	478.8	495.0	502.4
55°	413.9	420.2	438.9	453.8	460.0
57.5°	377.8	382.8	397.7	413.9	417.7
60°	340.4	346.6	360.3	371.5	376.5
62.5°	306.7	309.2	321.7	331.6	337.9
65°	271.8	273.0	281.8	293.0	295.5
67.5°	235.6	236.9	245.6	251.8	254.3
70°	202.0	202.0	208.2	213.2	215.7
72.5°	169.6	168.3	172.1	177.0	179.5
75°	135.9	135.9	139.6	142.1	143.4
77.5°	107.2	104.7	107.2	109.7	109.7
80°	78.5	77.3	77.3	78.5	77.3
82.5°	53.6	52.4	53.6	51.1	49.9
85°	29.9	28.7	27.4	24.9	24.9
87.5°	10.0	8.7	8.7	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)