

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: P298184

Luminaire Tested: **D3X-WG-25L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298184
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2417.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

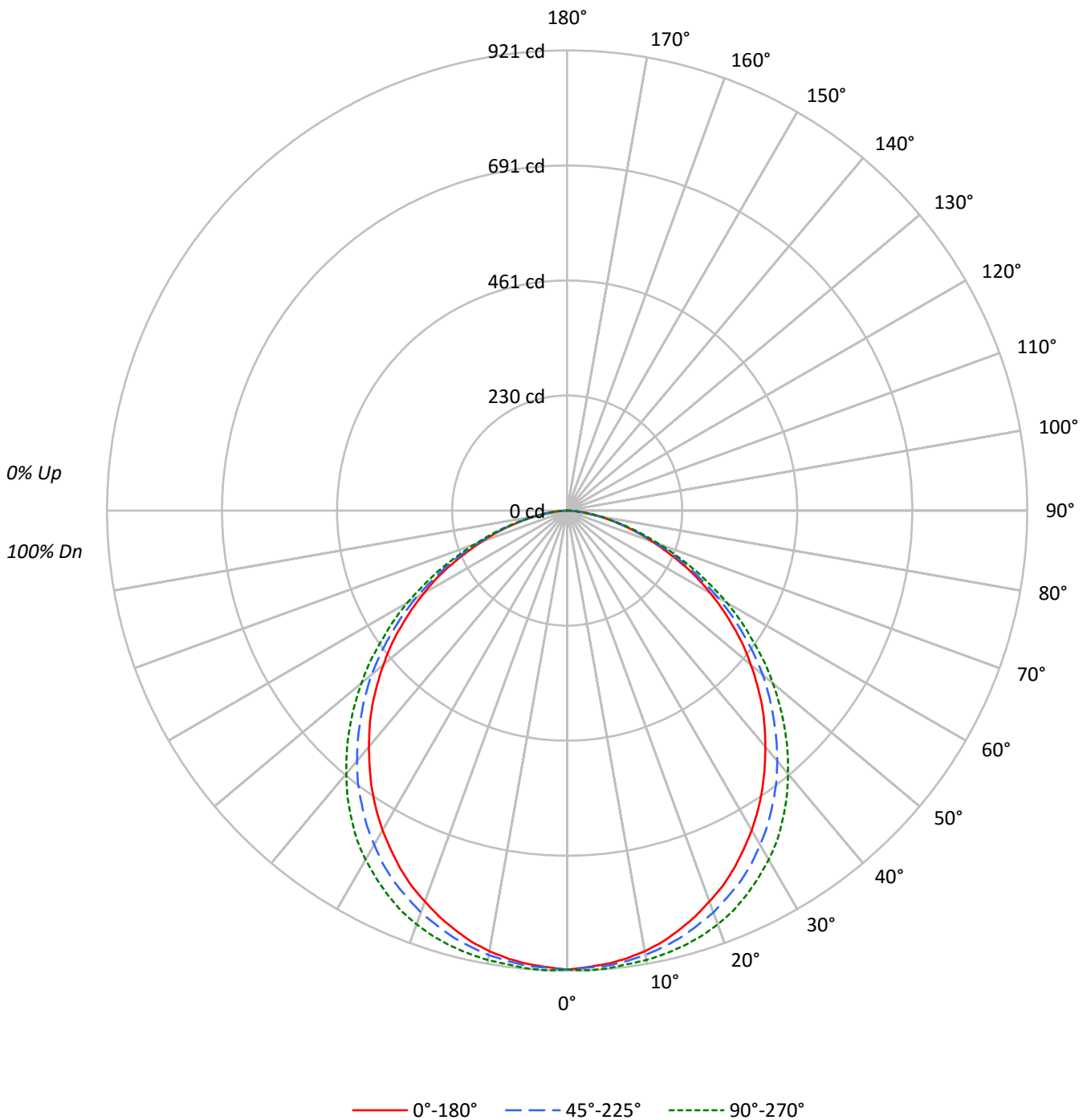
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2472	2472	2472
5°	2460	2471	2485
10°	2447	2468	2496
15°	2420	2462	2512
20°	2384	2450	2524
25°	2346	2434	2521
30°	2296	2400	2507
35°	2238	2356	2474
40°	2167	2298	2415
45°	2099	2221	2343
50°	2009	2138	2250
55°	1908	2016	2124
60°	1781	1878	1989
65°	1626	1699	1797
70°	1423	1484	1544
75°	1213	1240	1293
80°	975	993	1013
85°	713	673	633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	3.6
10°-20°	249.5	10.3
20°-30°	377.2	15.6
30°-40°	448.1	18.5
40°-50°	449.8	18.6
50°-60°	384.2	15.9
60°-70°	264.7	11.0
70°-80°	128.4	5.3
80°-90°	28.1	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°	713.7	29.5
0°-40°	1161.8	48.1
0°-60°	1995.8	82.6
0°-90°	2417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2417.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	911	911	915	917	920	86
15°	868	872	884	895	902	245
25°	790	797	820	842	849	364
35°	681	692	717	744	753	426
45°	552	559	584	608	616	425
55°	407	413	430	448	453	364
65°	255	255	267	278	282	253
75°	117	114	119	122	124	125
85°	23	23	22	20	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	918.5	918.5	918.5	918.5	918.5
2.5°	914.7	914.7	915.9	919.8	921.1
5°	910.8	910.8	914.7	917.2	919.8
7.5°	904.4	905.7	909.5	914.7	915.9
10°	895.4	896.7	903.1	909.5	913.4
12.5°	883.9	886.4	894.1	904.4	908.3
15°	868.5	872.3	883.9	895.4	901.8
17.5°	851.8	856.9	869.8	886.4	892.9
20°	832.6	839.0	855.7	873.6	881.3
22.5°	813.3	818.5	837.7	858.2	867.2
25°	790.2	796.6	819.7	841.5	849.2
27.5°	764.6	773.6	797.9	821.0	828.7
30°	738.9	746.6	772.3	797.9	806.9
32.5°	710.7	718.4	746.6	772.3	782.5
35°	681.2	691.5	717.1	744.0	753.0
37.5°	649.1	660.7	687.6	710.7	722.2
40°	617.0	627.3	654.2	678.6	687.6
42.5°	585.0	594.0	619.6	645.3	653.0
45°	551.6	559.3	583.7	608.1	615.8
47.5°	515.7	524.7	547.8	568.3	577.3
50°	479.8	488.8	510.6	529.8	537.5
52.5°	445.1	450.3	470.8	488.8	497.7
55°	406.7	413.1	429.8	447.7	452.8
57.5°	369.5	373.3	390.0	405.4	413.1
60°	331.0	333.5	348.9	360.5	369.5
62.5°	295.1	295.1	306.6	319.4	324.6
65°	255.3	255.3	266.8	278.4	282.2
67.5°	216.8	219.4	227.1	236.0	238.6
70°	180.9	180.9	188.6	195.0	196.3
72.5°	148.8	147.5	151.4	156.5	159.1
75°	116.7	114.2	119.3	121.9	124.4
77.5°	88.5	87.2	89.8	92.4	92.4
80°	62.9	61.6	64.1	64.1	65.4
82.5°	41.1	42.3	42.3	41.1	39.8
85°	23.1	23.1	21.8	20.5	20.5
87.5°	7.7	7.7	7.7	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)