

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: P296986

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-80L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7104.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

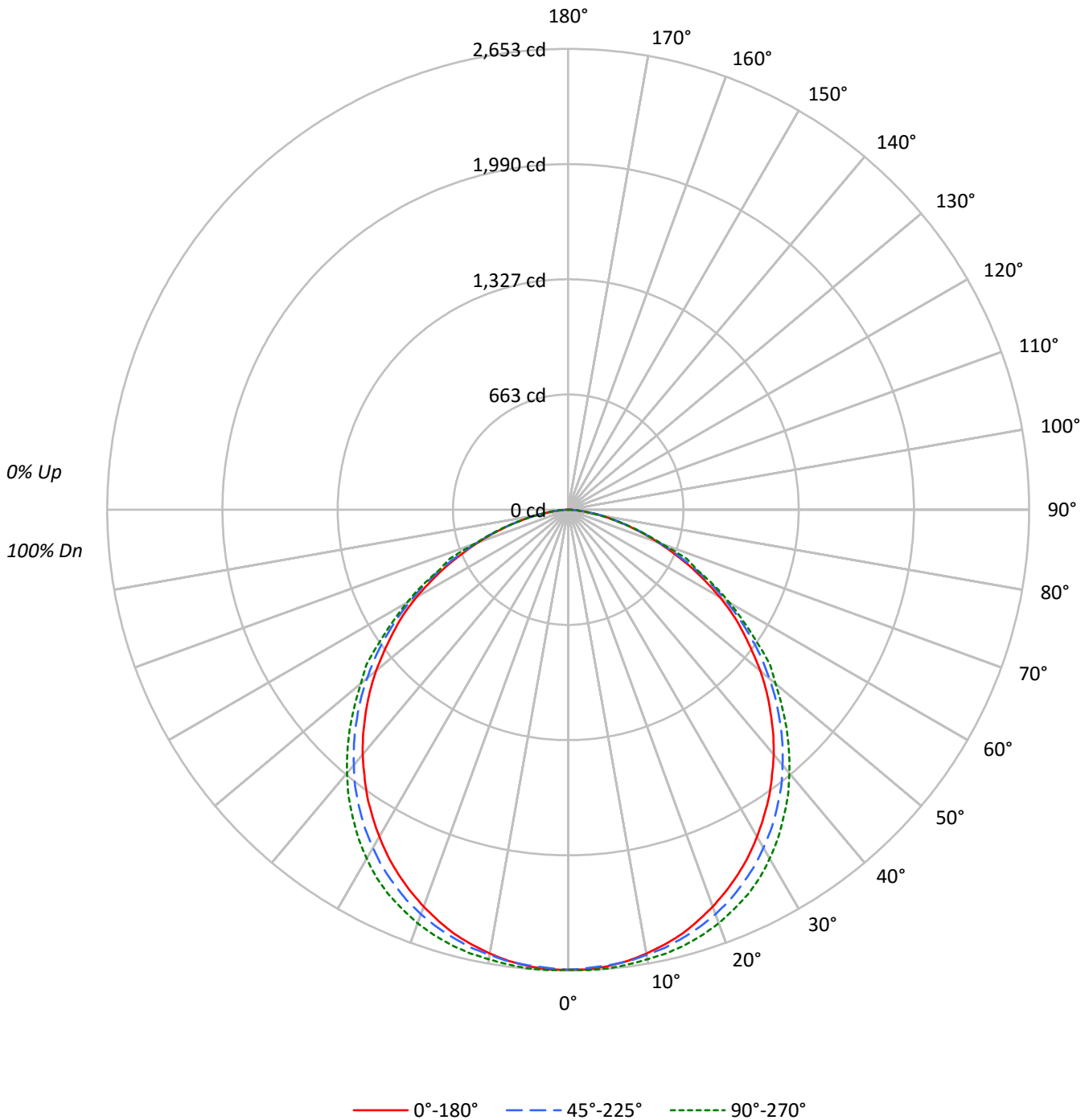
Input Watts (W): 62.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3563	3563	3563
5°	3563	3556	3580
10°	3545	3556	3590
15°	3522	3554	3614
20°	3482	3547	3628
25°	3436	3527	3629
30°	3378	3493	3604
35°	3312	3441	3550
40°	3232	3371	3479
45°	3133	3279	3381
50°	3020	3164	3260
55°	2882	3014	3103
60°	2716	2819	2888
65°	2467	2548	2597
70°	2166	2216	2246
75°	1828	1855	1868
80°	1461	1481	1442
85°	983	1024	983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	3.5
10°-20°	721.8	10.2
20°-30°	1095.1	15.4
30°-40°	1307.4	18.4
40°-50°	1323.6	18.6
50°-60°	1144.1	16.1
60°-70°	793.0	11.2
70°-80°	383.7	5.4
80°-90°	84.3	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°	2067.8	29.1
0°-40°	3375.2	47.5
0°-60°	5843.0	82.2
0°-90°	7104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2648	2648	2648	2648	2648	
5°	2638	2636	2633	2646	2651	250
15°	2528	2534	2552	2582	2595	713
25°	2314	2330	2376	2424	2444	1066
35°	2016	2034	2095	2149	2162	1259
45°	1647	1670	1723	1766	1777	1270
55°	1229	1241	1285	1338	1323	1098
65°	775	782	800	813	816	767
75°	352	354	357	354	359	377
85°	64	69	66	64	64	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2648.3	2648.3	2648.3	2648.3	2648.3
2.5°	2648.3	2645.8	2640.7	2648.3	2653.4
5°	2638.1	2635.6	2633.0	2645.8	2650.9
7.5°	2620.3	2620.3	2622.8	2635.6	2640.7
10°	2594.8	2597.3	2602.4	2622.8	2627.9
12.5°	2564.2	2569.3	2582.0	2605.0	2615.2
15°	2528.5	2533.6	2551.5	2582.0	2594.8
17.5°	2482.6	2492.8	2518.3	2554.0	2566.8
20°	2431.7	2444.4	2477.5	2518.3	2533.6
22.5°	2375.6	2388.3	2431.7	2475.0	2490.3
25°	2314.4	2329.7	2375.6	2424.0	2444.4
27.5°	2248.1	2266.0	2317.0	2367.9	2388.3
30°	2174.2	2194.6	2248.1	2301.7	2319.5
32.5°	2095.2	2115.6	2176.8	2227.7	2245.6
35°	2016.2	2034.0	2095.2	2148.7	2161.5
37.5°	1927.0	1947.4	2013.6	2059.5	2077.4
40°	1840.3	1860.7	1919.3	1965.2	1980.5
42.5°	1746.0	1766.4	1825.0	1868.4	1881.1
45°	1646.6	1669.5	1723.1	1766.4	1776.6
47.5°	1547.2	1565.0	1621.1	1659.3	1667.0
50°	1442.7	1460.5	1511.5	1549.7	1557.4
52.5°	1333.1	1361.1	1401.9	1429.9	1463.1
55°	1228.6	1241.3	1284.7	1338.2	1322.9
57.5°	1124.1	1131.7	1167.4	1190.3	1195.4
60°	1009.4	1019.6	1047.6	1060.3	1073.1
62.5°	889.6	897.2	930.4	943.1	948.2
65°	774.9	782.5	800.4	813.1	815.7
67.5°	657.6	665.3	680.6	690.8	736.6
70°	550.6	555.7	563.3	583.7	571.0
72.5°	448.6	451.2	458.8	458.8	461.4
75°	351.7	354.3	356.8	354.3	359.4
77.5°	262.5	267.6	270.2	267.6	265.1
80°	188.6	193.7	191.2	186.1	186.1
82.5°	122.3	124.9	122.3	119.8	119.8
85°	63.7	68.8	66.3	63.7	63.7
87.5°	22.9	25.5	28.0	30.6	30.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)