

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: P297483

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-42L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3956.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

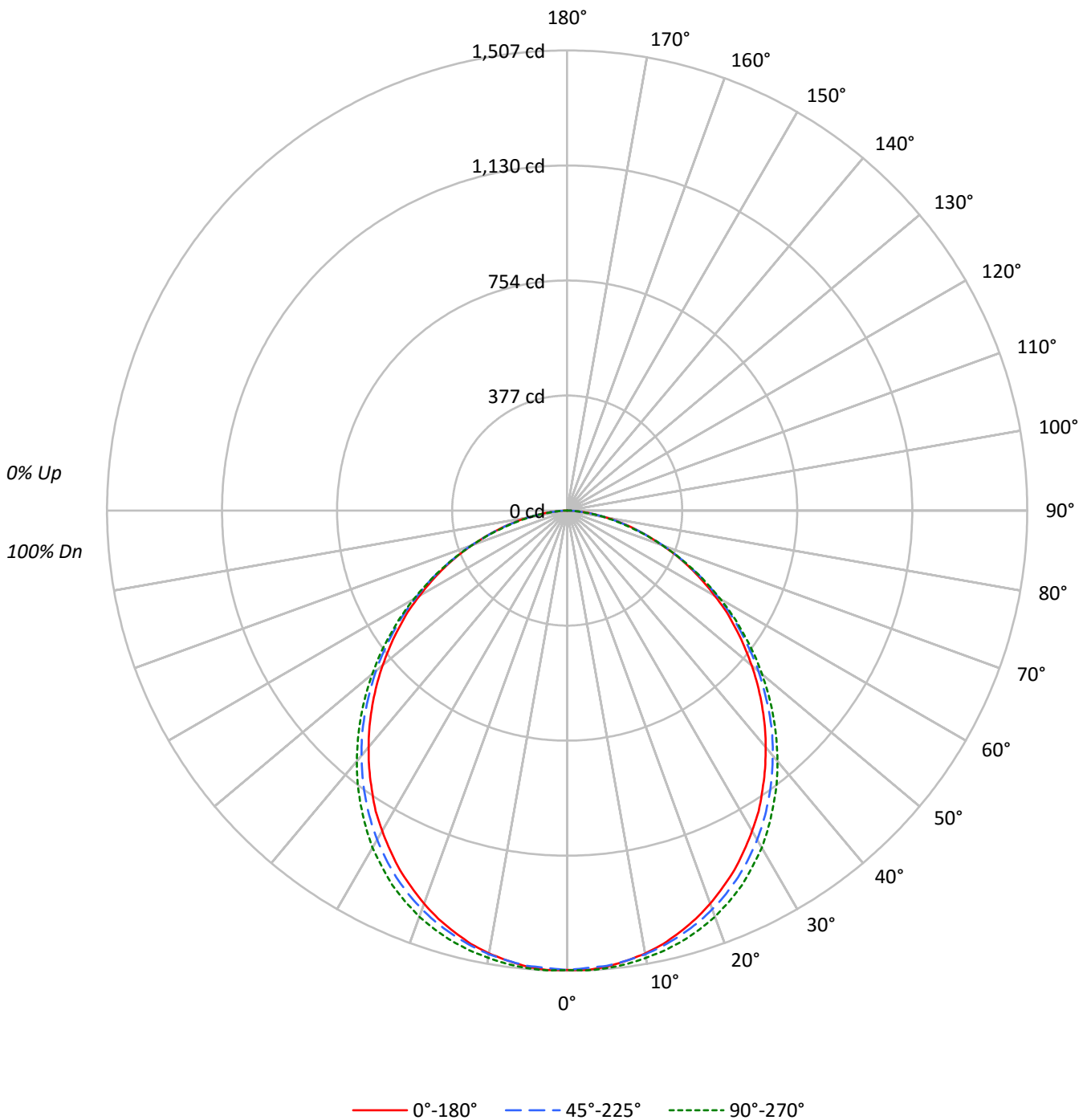
Input Watts (W): 29.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	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	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2024	2024	2024
5°	2025	2021	2032
10°	2012	2015	2032
15°	1990	2005	2033
20°	1961	1990	2026
25°	1927	1966	2010
30°	1882	1934	1981
35°	1832	1891	1935
40°	1777	1840	1882
45°	1717	1780	1818
50°	1651	1713	1743
55°	1582	1632	1657
60°	1503	1542	1560
65°	1417	1438	1447
70°	1300	1316	1300
75°	1171	1164	1129
80°	991	981	950
85°	741	719	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	3.6
10°-20°	406.9	10.3
20°-30°	610.1	15.4
30°-40°	718.5	18.2
40°-50°	718.6	18.2
50°-60°	620.1	15.7
60°-70°	446.2	11.3
70°-80°	236.7	6.0
80°-90°	56.4	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°	1159.5	29.3
0°-40°	1878.0	47.5
0°-60°	3216.7	81.3
0°-90°	3956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1499	1498	1496	1502	1504	142
15°	1429	1433	1439	1454	1459	403
25°	1298	1306	1325	1347	1354	597
35°	1115	1129	1151	1171	1178	698
45°	902	914	936	952	956	696
55°	674	681	696	708	706	603
65°	445	446	452	454	454	440
75°	225	222	224	219	217	240
85°	48	48	47	43	41	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1504.5	1504.5	1504.5	1504.5	1504.5
2.5°	1505.9	1503.2	1499.2	1504.5	1507.2
5°	1499.2	1497.9	1496.5	1501.9	1504.5
7.5°	1487.2	1488.5	1487.2	1495.2	1497.9
10°	1472.6	1473.9	1475.2	1484.6	1487.2
12.5°	1453.9	1455.2	1459.2	1471.2	1475.2
15°	1428.6	1432.6	1439.2	1453.9	1459.2
17.5°	1401.9	1407.3	1416.6	1433.9	1439.2
20°	1369.9	1376.6	1389.9	1408.6	1415.3
22.5°	1334.0	1340.6	1359.3	1379.3	1385.9
25°	1298.0	1306.0	1324.6	1347.3	1354.0
27.5°	1255.3	1266.0	1286.0	1308.6	1314.0
30°	1211.4	1220.7	1244.7	1266.0	1275.3
32.5°	1167.4	1176.7	1199.4	1220.7	1227.4
35°	1115.4	1128.7	1151.4	1171.4	1178.0
37.5°	1064.8	1076.8	1100.8	1120.7	1127.4
40°	1011.5	1022.1	1047.4	1066.1	1071.4
42.5°	958.2	968.8	994.1	1008.8	1014.1
45°	902.2	914.2	935.5	951.5	955.5
47.5°	846.2	855.5	875.5	890.2	895.5
50°	788.9	798.2	818.2	830.2	832.9
52.5°	731.6	738.3	756.9	767.6	771.6
55°	674.3	681.0	695.6	707.6	706.3
57.5°	619.7	622.3	637.0	645.0	645.0
60°	558.4	561.0	573.0	578.4	579.7
62.5°	501.1	505.1	514.4	515.7	515.7
65°	445.1	446.4	451.8	454.4	454.4
67.5°	389.1	387.8	393.1	393.1	391.8
70°	330.5	333.2	334.5	331.8	330.5
72.5°	277.2	275.9	275.9	274.5	274.5
75°	225.2	222.5	223.9	218.6	217.2
77.5°	177.2	173.2	171.9	169.2	166.6
80°	127.9	127.9	126.6	123.9	122.6
82.5°	85.3	85.3	84.0	81.3	78.6
85°	48.0	48.0	46.6	42.6	41.3
87.5°	16.0	16.0	16.0	16.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)