

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: P296787

Luminaire Tested: **D3X-WD-45L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296787
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-45L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4030.0 lumens
Efficiency: N/A
Efficacy: 128.8 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

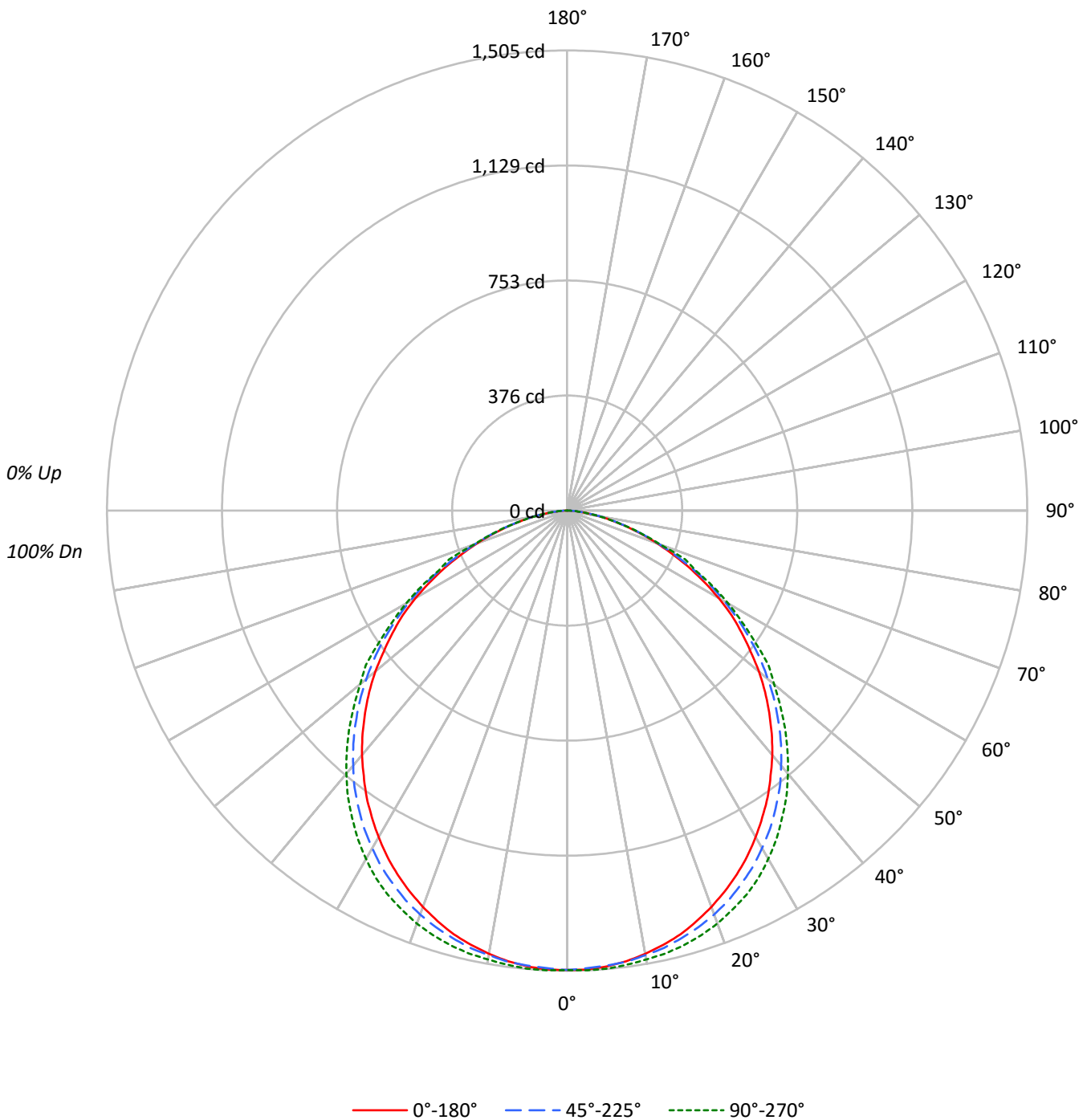
Input Watts (W): 31.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	94	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	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	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	30	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°	2021	2021	2021
5°	2021	2017	2031
10°	2011	2017	2037
15°	1998	2016	2050
20°	1975	2012	2058
25°	1949	2001	2059
30°	1916	1981	2044
35°	1879	1952	2014
40°	1834	1912	1973
45°	1777	1860	1918
50°	1713	1795	1849
55°	1635	1710	1761
60°	1541	1599	1638
65°	1400	1445	1473
70°	1229	1257	1274
75°	1037	1052	1060
80°	829	840	818
85°	557	580	557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	3.5
10°-20°	409.4	10.2
20°-30°	621.2	15.4
30°-40°	741.7	18.4
40°-50°	750.9	18.6
50°-60°	649.0	16.1
60°-70°	449.9	11.2
70°-80°	217.7	5.4
80°-90°	47.9	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°	1173.1	29.1
0°-40°	1914.7	47.5
0°-60°	3314.7	82.2
0°-90°	4030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1502	1502	1502	1502	1502	
5°	1497	1495	1494	1501	1504	142
15°	1434	1437	1447	1465	1472	404
25°	1313	1322	1348	1375	1387	605
35°	1144	1154	1189	1219	1226	714
45°	934	947	978	1002	1008	720
55°	697	704	729	759	750	623
65°	440	444	454	461	463	435
75°	200	201	202	201	204	214
85°	36	39	38	36	36	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1502.4	1502.4	1502.4	1502.4	1502.4
2.5°	1502.4	1500.9	1498.0	1502.4	1505.2
5°	1496.6	1495.1	1493.7	1500.9	1503.8
7.5°	1486.4	1486.4	1487.9	1495.1	1498.0
10°	1472.0	1473.4	1476.3	1487.9	1490.8
12.5°	1454.6	1457.5	1464.8	1477.8	1483.6
15°	1434.4	1437.3	1447.4	1464.8	1472.0
17.5°	1408.4	1414.2	1428.6	1448.9	1456.1
20°	1379.4	1386.7	1405.5	1428.6	1437.3
22.5°	1347.6	1354.9	1379.4	1404.0	1412.7
25°	1312.9	1321.6	1347.6	1375.1	1386.7
27.5°	1275.3	1285.5	1314.4	1343.3	1354.9
30°	1233.4	1245.0	1275.3	1305.7	1315.8
32.5°	1188.6	1200.1	1234.9	1263.8	1273.9
35°	1143.8	1153.9	1188.6	1218.9	1226.2
37.5°	1093.1	1104.7	1142.3	1168.3	1178.5
40°	1044.0	1055.6	1088.8	1114.8	1123.5
42.5°	990.5	1002.1	1035.3	1059.9	1067.1
45°	934.1	947.1	977.5	1002.1	1007.8
47.5°	877.7	887.8	919.6	941.3	945.7
50°	818.4	828.5	857.5	879.1	883.5
52.5°	756.2	772.1	795.3	811.2	830.0
55°	697.0	704.2	728.8	759.1	750.5
57.5°	637.7	642.0	662.3	675.3	678.2
60°	572.6	578.4	594.3	601.5	608.8
62.5°	504.6	509.0	527.8	535.0	537.9
65°	439.6	443.9	454.0	461.3	462.7
67.5°	373.1	377.4	386.1	391.9	417.9
70°	312.3	315.2	319.6	331.1	323.9
72.5°	254.5	255.9	260.3	260.3	261.7
75°	199.5	201.0	202.4	201.0	203.9
77.5°	148.9	151.8	153.3	151.8	150.4
80°	107.0	109.9	108.4	105.6	105.6
82.5°	69.4	70.9	69.4	68.0	68.0
85°	36.1	39.0	37.6	36.1	36.1
87.5°	13.0	14.5	15.9	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)