

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: P296926

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296926
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-45L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3345.0 lumens
Efficiency: N/A
Efficacy: 106.5 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

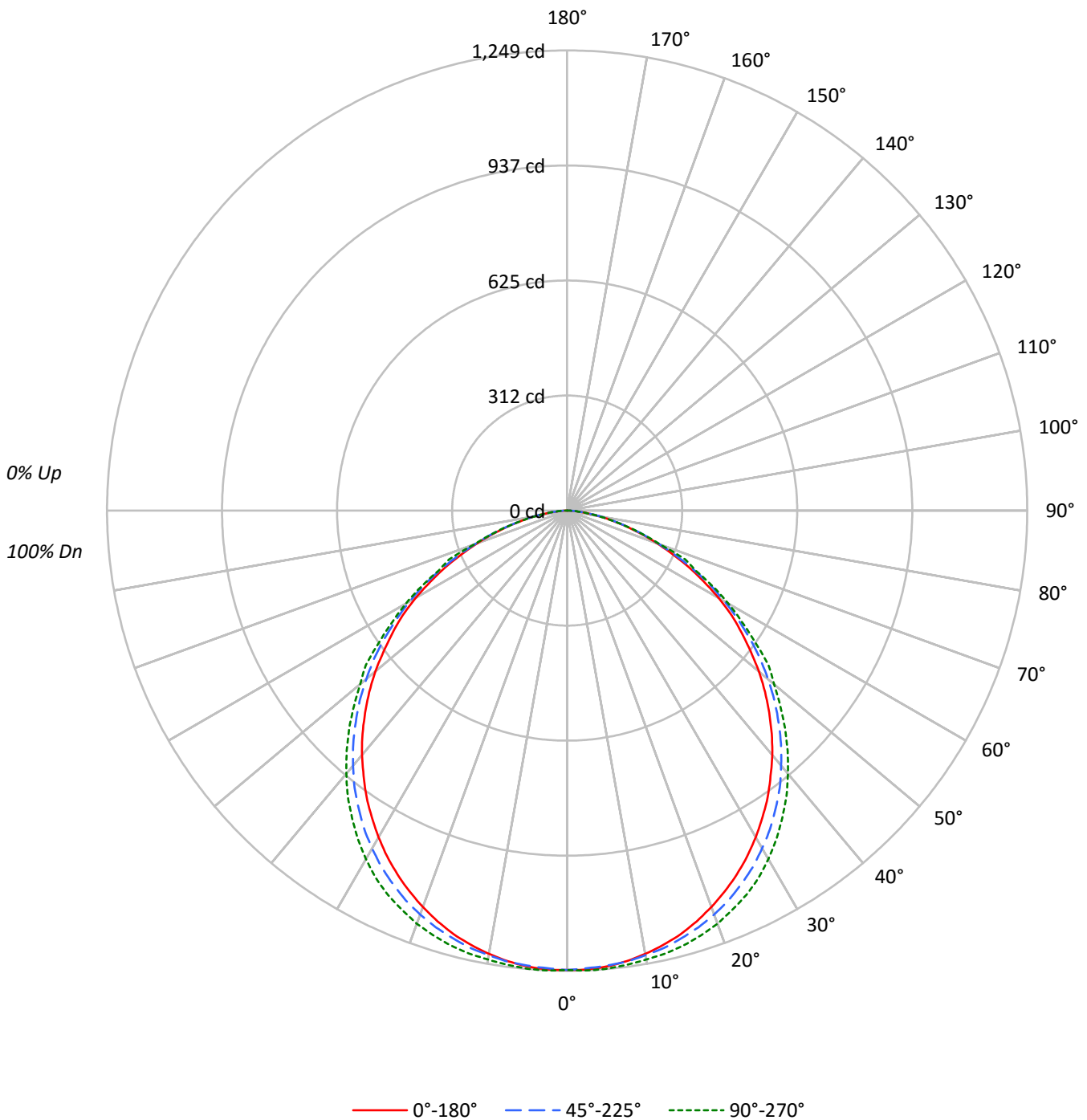
Input Watts (W): 31.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1678	1678	1678
5°	1678	1675	1686
10°	1669	1674	1691
15°	1658	1673	1702
20°	1639	1670	1708
25°	1618	1661	1709
30°	1591	1645	1697
35°	1559	1621	1672
40°	1522	1587	1638
45°	1475	1544	1592
50°	1422	1490	1535
55°	1357	1419	1461
60°	1279	1327	1360
65°	1162	1200	1223
70°	1020	1043	1057
75°	861	873	880
80°	688	697	679
85°	463	482	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.5
10°-20°	339.9	10.2
20°-30°	515.7	15.4
30°-40°	615.6	18.4
40°-50°	623.2	18.6
50°-60°	538.7	16.1
60°-70°	373.4	11.2
70°-80°	180.6	5.4
80°-90°	39.7	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°	973.7	29.1
0°-40°	1589.3	47.5
0°-60°	2751.2	82.2
0°-90°	3345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1242	1241	1240	1246	1248	118
15°	1191	1193	1201	1216	1222	336
25°	1090	1097	1119	1141	1151	502
35°	949	958	987	1012	1018	593
45°	775	786	811	832	836	598
55°	578	584	605	630	623	517
65°	365	368	377	383	384	361
75°	166	167	168	167	169	178
85°	30	32	31	30	30	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.0	1247.0	1247.0	1247.0	1247.0
2.5°	1247.0	1245.8	1243.4	1247.0	1249.4
5°	1242.2	1241.0	1239.8	1245.8	1248.2
7.5°	1233.8	1233.8	1235.0	1241.0	1243.4
10°	1221.8	1223.0	1225.4	1235.0	1237.4
12.5°	1207.4	1209.8	1215.8	1226.6	1231.4
15°	1190.6	1193.0	1201.4	1215.8	1221.8
17.5°	1169.0	1173.8	1185.8	1202.6	1208.6
20°	1145.0	1151.0	1166.6	1185.8	1193.0
22.5°	1118.6	1124.6	1145.0	1165.4	1172.6
25°	1089.8	1097.0	1118.6	1141.4	1151.0
27.5°	1058.6	1067.0	1091.0	1115.0	1124.6
30°	1023.8	1033.4	1058.6	1083.8	1092.2
32.5°	986.6	996.2	1025.0	1049.0	1057.4
35°	949.3	957.7	986.6	1011.8	1017.8
37.5°	907.3	916.9	948.1	969.7	978.2
40°	866.5	876.1	903.7	925.3	932.5
42.5°	822.1	831.7	859.3	879.7	885.7
45°	775.3	786.1	811.3	831.7	836.5
47.5°	728.5	736.9	763.3	781.3	784.9
50°	679.3	687.7	711.7	729.7	733.3
52.5°	627.7	640.9	660.1	673.3	688.9
55°	578.5	584.5	604.9	630.1	622.9
57.5°	529.3	532.9	549.7	560.5	562.9
60°	475.3	480.1	493.3	499.3	505.3
62.5°	418.9	422.5	438.1	444.1	446.5
65°	364.9	368.5	376.9	382.9	384.1
67.5°	309.6	313.2	320.4	325.3	346.9
70°	259.2	261.6	265.2	274.8	268.8
72.5°	211.2	212.4	216.0	216.0	217.2
75°	165.6	166.8	168.0	166.8	169.2
77.5°	123.6	126.0	127.2	126.0	124.8
80°	88.8	91.2	90.0	87.6	87.6
82.5°	57.6	58.8	57.6	56.4	56.4
85°	30.0	32.4	31.2	30.0	30.0
87.5°	10.8	12.0	13.2	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)