

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: P297682

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L92765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3296.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

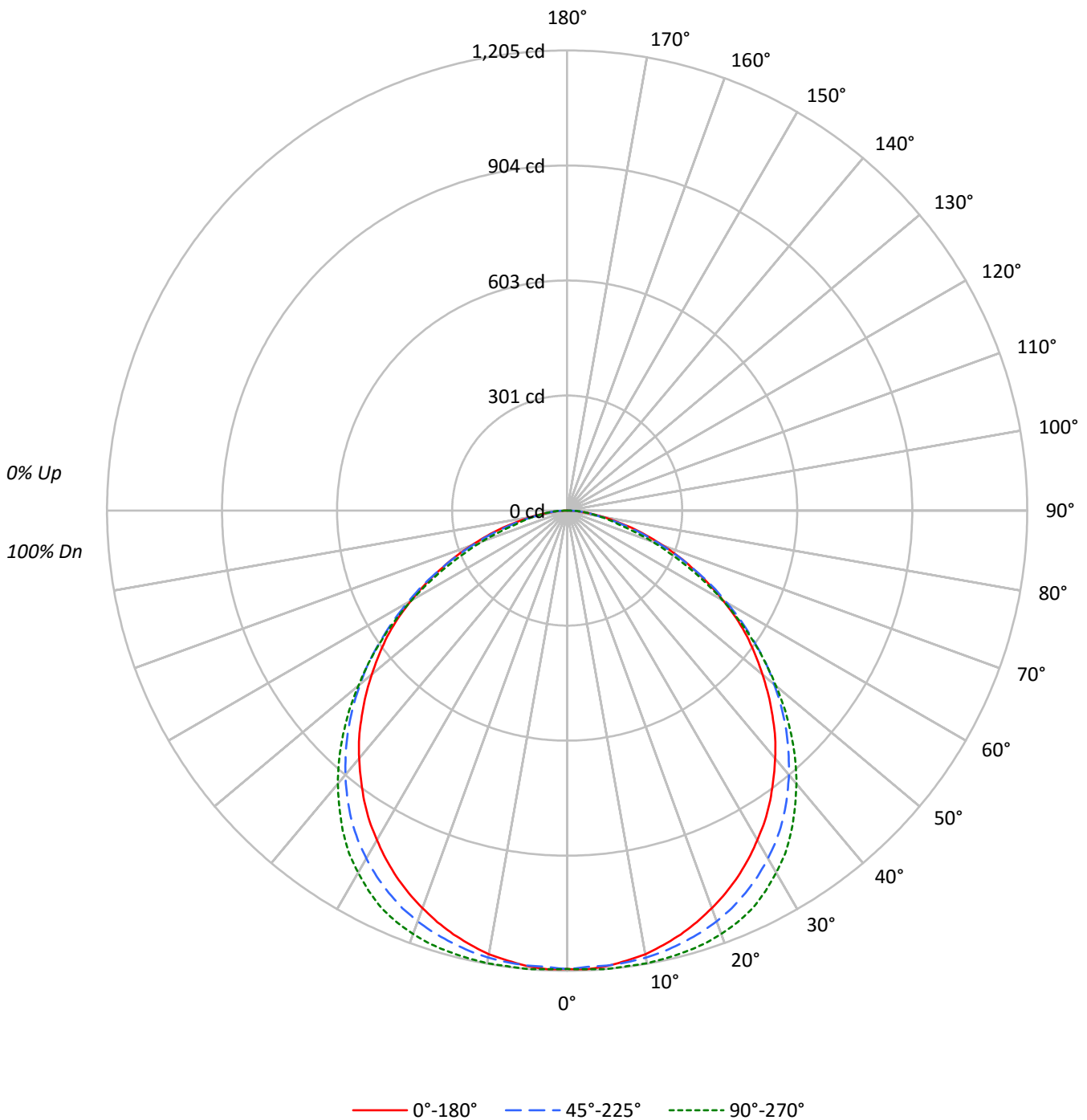
Input Watts (W): 39.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
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	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3231	3231	3231
5°	3235	3231	3255
10°	3224	3248	3289
15°	3201	3263	3332
20°	3173	3278	3379
25°	3141	3281	3412
30°	3095	3269	3401
35°	3045	3238	3364
40°	2977	3173	3282
45°	2895	3085	3158
50°	2797	2963	2987
55°	2699	2802	2789
60°	2542	2597	2534
65°	2342	2351	2220
70°	2095	2049	1864
75°	1821	1698	1438
80°	1460	1322	1322
85°	1044	1226	1272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	3.5
10°-20°	331.4	10.1
20°-30°	508.9	15.4
30°-40°	612.9	18.6
40°-50°	619.3	18.8
50°-60°	528.3	16.0
60°-70°	361.6	11.0
70°-80°	174.5	5.3
80°-90°	45.0	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°	954.5	29.0
0°-40°	1567.3	47.6
0°-60°	2714.9	82.4
0°-90°	3296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1198	1198	1196	1204	1205	114
15°	1149	1158	1171	1192	1196	324
25°	1058	1074	1105	1137	1149	487
35°	927	948	986	1017	1024	579
45°	761	781	811	830	830	587
55°	575	586	597	600	594	512
65°	368	372	369	356	349	365
75°	175	175	163	144	138	186
85°	34	37	40	41	41	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1202.0	1200.6	1196.1	1202.0	1202.0
5°	1197.6	1197.6	1196.1	1203.5	1205.0
7.5°	1188.8	1191.7	1193.2	1202.0	1203.5
10°	1180.0	1182.9	1188.8	1200.6	1203.5
12.5°	1165.2	1171.1	1181.4	1197.6	1200.6
15°	1149.1	1157.9	1171.1	1191.7	1196.1
17.5°	1129.9	1141.7	1159.4	1182.9	1190.3
20°	1107.9	1121.1	1144.6	1171.1	1180.0
22.5°	1084.3	1099.0	1127.0	1157.9	1166.7
25°	1057.8	1074.0	1104.9	1137.3	1149.1
27.5°	1028.4	1046.1	1079.9	1113.8	1124.0
30°	996.0	1015.2	1052.0	1085.8	1094.6
32.5°	963.7	982.8	1021.1	1053.4	1063.7
35°	926.9	947.5	985.8	1016.6	1024.0
37.5°	887.2	907.8	946.0	976.9	979.9
40°	847.5	868.0	903.4	931.3	934.3
42.5°	806.3	825.4	857.8	881.3	884.2
45°	760.6	781.2	810.7	829.8	829.8
47.5°	715.0	735.6	760.6	773.9	773.9
50°	668.0	687.1	707.7	715.0	713.6
52.5°	620.9	638.5	656.2	657.7	654.7
55°	575.3	585.6	597.3	600.3	594.4
57.5°	525.2	534.1	541.4	537.0	532.6
60°	472.3	481.1	482.6	475.2	470.8
62.5°	420.8	428.1	428.1	416.4	409.0
65°	367.8	372.2	369.3	356.0	348.7
67.5°	317.8	320.7	314.9	301.6	289.8
70°	266.3	267.8	260.4	244.2	236.9
72.5°	219.2	220.7	211.9	192.7	183.9
75°	175.1	175.1	163.3	144.2	138.3
77.5°	130.9	135.4	122.1	111.8	111.8
80°	94.2	98.6	85.3	86.8	85.3
82.5°	61.8	66.2	61.8	61.8	61.8
85°	33.8	36.8	39.7	41.2	41.2
87.5°	10.3	17.7	19.1	20.6	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)