

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: P297605

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297605
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-35L82765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3439.0 lumens
Efficiency: N/A
Efficacy: 100.6 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

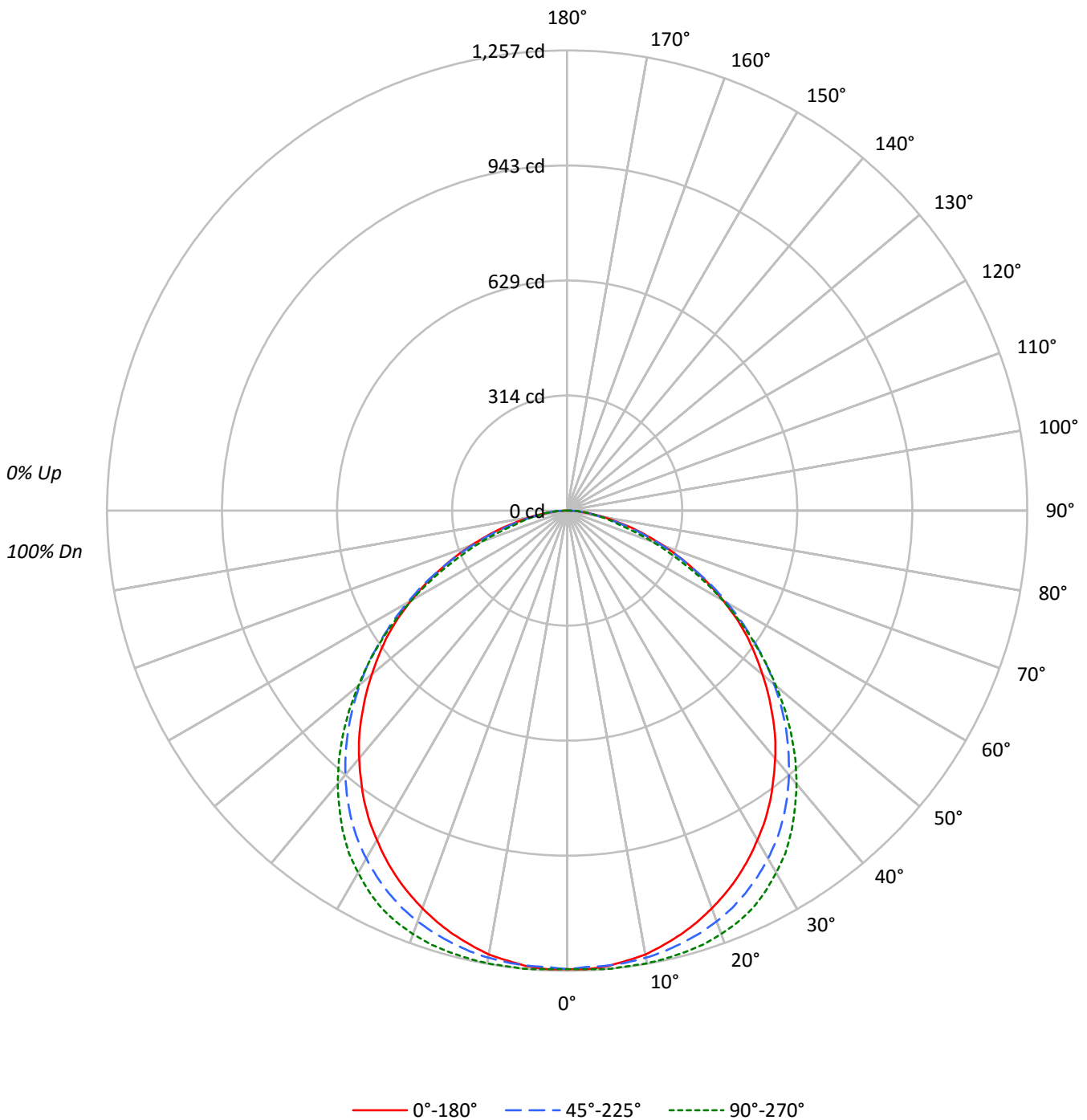
Input Watts (W): 34.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297605

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P297605

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3371	3371	3371
5°	3375	3371	3396
10°	3364	3389	3431
15°	3340	3404	3477
20°	3310	3420	3526
25°	3277	3423	3560
30°	3229	3411	3549
35°	3177	3379	3510
40°	3106	3311	3424
45°	3020	3219	3295
50°	2918	3091	3117
55°	2816	2924	2910
60°	2652	2710	2644
65°	2444	2453	2316
70°	2186	2138	1945
75°	1900	1772	1500
80°	1522	1379	1379
85°	1090	1278	1328



TEST NUMBER: P297605

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	3.5
10°-20°	345.8	10.1
20°-30°	530.9	15.4
30°-40°	639.4	18.6
40°-50°	646.2	18.8
50°-60°	551.2	16.0
60°-70°	377.3	11.0
70°-80°	182.1	5.3
80°-90°	46.9	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°	995.9	29.0
0°-40°	1635.3	47.6
0°-60°	2832.7	82.4
0°-90°	3439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1250	1250	1248	1256	1257	119
15°	1199	1208	1222	1243	1248	338
25°	1104	1121	1153	1187	1199	508
35°	967	989	1028	1061	1068	604
45°	794	815	846	866	866	612
55°	600	611	623	626	620	535
65°	384	388	385	372	364	381
75°	183	183	170	150	144	194
85°	35	38	41	43	43	43
90°	0	0	0	0	0	



TEST NUMBER: P297605

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1254.2	1252.6	1248.0	1254.2	1254.2
5°	1249.6	1249.6	1248.0	1255.7	1257.2
7.5°	1240.4	1243.4	1245.0	1254.2	1255.7
10°	1231.2	1234.2	1240.4	1252.6	1255.7
12.5°	1215.8	1221.9	1232.7	1249.6	1252.6
15°	1198.9	1208.1	1221.9	1243.4	1248.0
17.5°	1179.0	1191.2	1209.7	1234.2	1241.9
20°	1155.9	1169.7	1194.3	1221.9	1231.2
22.5°	1131.4	1146.7	1175.9	1208.1	1217.3
25°	1103.7	1120.6	1152.9	1186.6	1198.9
27.5°	1073.0	1091.5	1126.8	1162.1	1172.8
30°	1039.3	1059.2	1097.6	1132.9	1142.1
32.5°	1005.5	1025.4	1065.4	1099.1	1109.9
35°	967.1	988.6	1028.5	1060.8	1068.4
37.5°	925.7	947.2	987.1	1019.3	1022.4
40°	884.2	905.7	942.6	971.7	974.8
42.5°	841.2	861.2	895.0	919.5	922.6
45°	793.6	815.1	845.8	865.8	865.8
47.5°	746.1	767.6	793.6	807.5	807.5
50°	696.9	716.9	738.4	746.1	744.5
52.5°	647.8	666.2	684.7	686.2	683.1
55°	600.2	611.0	623.3	626.3	620.2
57.5°	548.0	557.2	564.9	560.3	555.7
60°	492.8	502.0	503.5	495.8	491.2
62.5°	439.0	446.7	446.7	434.4	426.8
65°	383.8	388.4	385.3	371.5	363.8
67.5°	331.6	334.7	328.5	314.7	302.4
70°	277.9	279.4	271.7	254.8	247.2
72.5°	228.7	230.3	221.1	201.1	191.9
75°	182.7	182.7	170.4	150.4	144.3
77.5°	136.6	141.2	127.4	116.7	116.7
80°	98.2	102.9	89.0	90.6	89.0
82.5°	64.5	69.1	64.5	64.5	64.5
85°	35.3	38.4	41.4	43.0	43.0
87.5°	10.7	18.4	20.0	21.5	24.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)