

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: P297984

Luminaire Tested: **D3X-WD-35L83050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L83050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3095.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

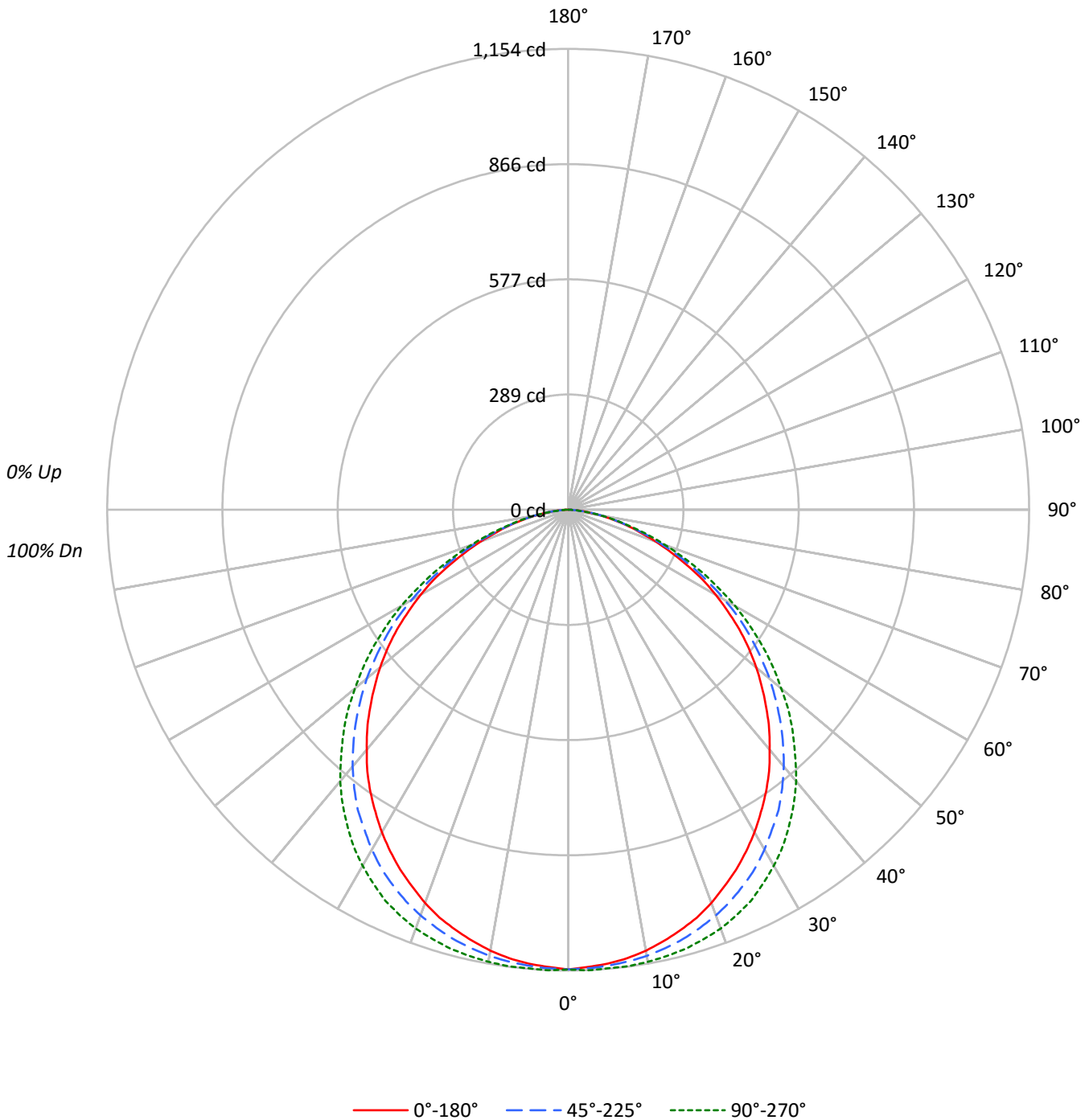
Input Watts (W): 27.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3098	3098	3098
5°	3083	3096	3114
10°	3064	3100	3141
15°	3035	3100	3170
20°	3001	3096	3196
25°	2953	3082	3210
30°	2899	3054	3199
35°	2835	3015	3169
40°	2757	2949	3119
45°	2669	2859	3030
50°	2573	2755	2915
55°	2454	2618	2783
60°	2295	2439	2600
65°	2079	2206	2344
70°	1835	1927	2031
75°	1576	1611	1680
80°	1265	1291	1317
85°	926	824	824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	3.5
10°-20°	314.2	10.2
20°-30°	478.0	15.4
30°-40°	571.9	18.5
40°-50°	578.1	18.7
50°-60°	497.5	16.1
60°-70°	343.5	11.1
70°-80°	166.5	5.4
80°-90°	36.1	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°	901.3	29.1
0°-40°	1473.2	47.6
0°-60°	2548.8	82.4
0°-90°	3095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1141	1143	1146	1151	1153	108
15°	1090	1096	1113	1130	1138	307
25°	995	1006	1038	1070	1081	458
35°	863	878	918	951	965	539
45°	701	715	751	783	796	541
55°	523	531	558	583	593	466
65°	326	332	346	362	368	325
75°	152	148	155	160	162	161
85°	30	30	27	27	27	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.2	1151.2	1151.2	1151.2	1151.2
2.5°	1146.2	1146.2	1149.5	1152.8	1154.5
5°	1141.2	1142.8	1146.2	1151.2	1152.8
7.5°	1132.8	1134.5	1141.2	1149.5	1152.8
10°	1121.2	1124.5	1134.5	1144.5	1149.5
12.5°	1106.2	1112.8	1124.5	1137.8	1144.5
15°	1089.5	1096.2	1112.8	1129.5	1137.8
17.5°	1071.2	1077.9	1097.8	1119.5	1127.8
20°	1047.9	1057.9	1081.2	1106.2	1116.2
22.5°	1021.2	1034.5	1061.2	1087.9	1099.5
25°	994.6	1006.2	1037.9	1069.5	1081.2
27.5°	964.6	977.9	1012.9	1044.5	1056.2
30°	932.9	946.2	982.9	1017.9	1029.5
32.5°	897.9	914.6	949.6	986.2	999.6
35°	863.0	877.9	917.9	951.2	964.6
37.5°	826.3	839.6	879.6	914.6	927.9
40°	784.7	799.6	839.6	874.6	887.9
42.5°	744.7	759.7	796.3	829.6	841.3
45°	701.4	714.7	751.3	783.0	796.3
47.5°	658.0	673.0	704.7	736.3	749.7
50°	614.7	626.4	658.0	688.0	696.4
52.5°	569.7	579.7	608.1	634.7	646.4
55°	523.1	531.4	558.1	583.1	593.1
57.5°	473.1	483.1	508.1	526.4	538.1
60°	426.5	431.5	453.1	471.5	483.1
62.5°	379.8	381.5	398.2	416.5	423.1
65°	326.5	331.5	346.5	361.5	368.2
67.5°	278.2	283.2	294.9	306.5	311.5
70°	233.2	233.2	244.9	253.2	258.2
72.5°	188.3	189.9	198.2	203.2	208.2
75°	151.6	148.3	154.9	159.9	161.6
77.5°	113.3	111.6	116.6	118.3	121.6
80°	81.6	81.6	83.3	85.0	85.0
82.5°	53.3	53.3	55.0	51.6	50.0
85°	30.0	30.0	26.7	26.7	26.7
87.5°	10.0	10.0	10.0	11.7	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)