

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: P298449

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3127.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

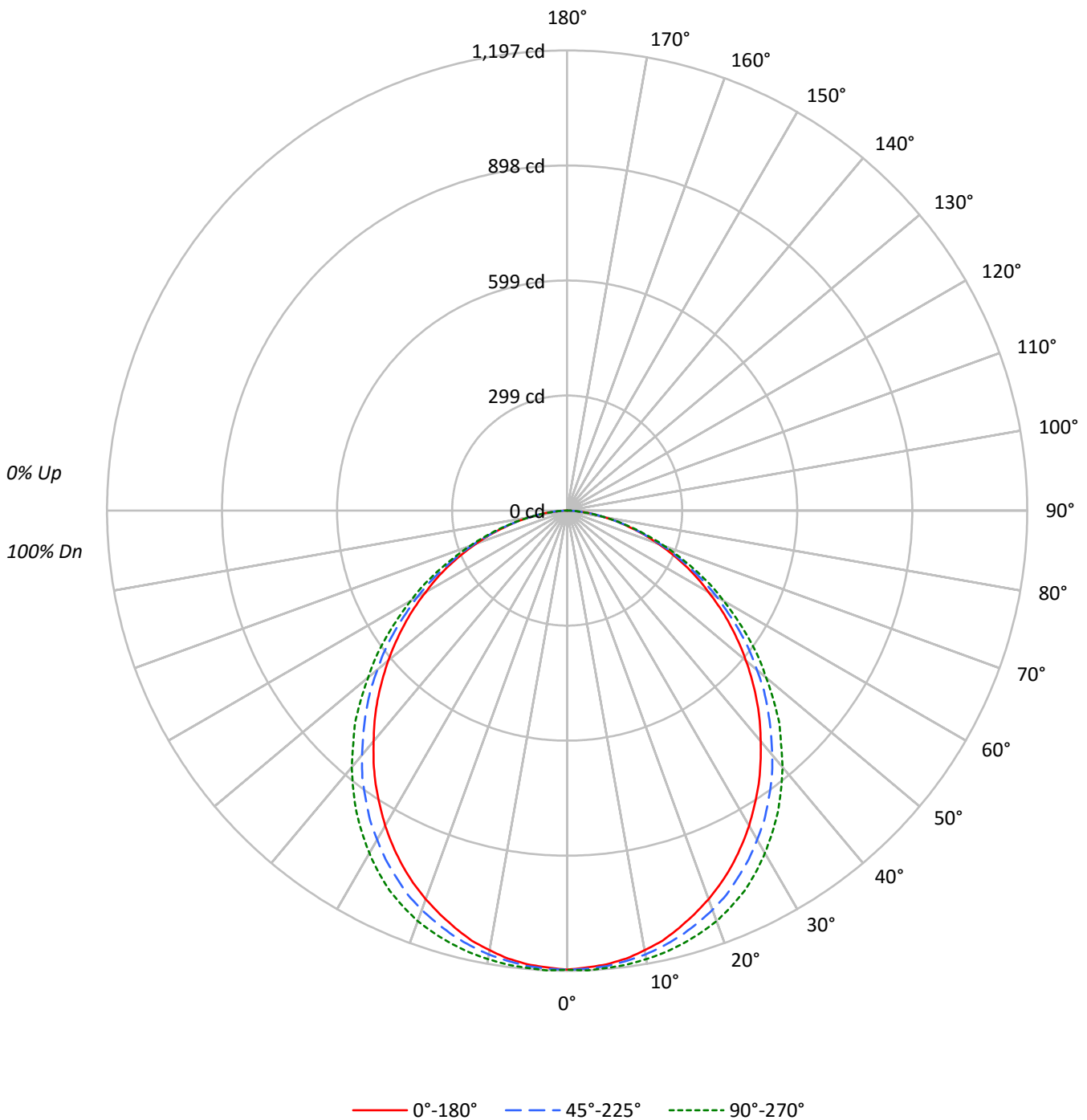
Input Watts (W): 28.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3214	3214	3214
5°	3200	3213	3226
10°	3174	3204	3237
15°	3132	3188	3249
20°	3081	3166	3255
25°	3019	3125	3241
30°	2941	3072	3198
35°	2854	3002	3141
40°	2751	2915	3063
45°	2654	2814	2968
50°	2542	2699	2829
55°	2425	2571	2695
60°	2287	2422	2531
65°	2161	2241	2350
70°	1984	2046	2120
75°	1764	1813	1861
80°	1520	1495	1495
85°	1155	1059	960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.6
10°-20°	322.9	10.3
20°-30°	484.8	15.5
30°-40°	570.6	18.2
40°-50°	569.1	18.2
50°-60°	488.4	15.6
60°-70°	349.8	11.2
70°-80°	185.2	5.9
80°-90°	43.3	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°	920.7	29.4
0°-40°	1491.2	47.7
0°-60°	2548.7	81.5
0°-90°	3127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1185	1185	1190	1193	1194	112
15°	1124	1129	1144	1160	1166	317
25°	1017	1026	1052	1079	1091	468
35°	869	880	914	945	956	543
45°	698	708	740	766	780	538
55°	517	525	548	567	574	462
65°	339	341	352	366	369	335
75°	170	170	174	178	179	182
85°	37	36	34	31	31	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1194.2	1194.2	1194.2	1194.2	1194.2
2.5°	1189.5	1189.5	1192.6	1195.7	1197.3
5°	1184.8	1184.8	1189.5	1192.6	1194.2
7.5°	1175.5	1175.5	1181.7	1187.9	1191.1
10°	1161.5	1164.6	1172.4	1181.7	1184.8
12.5°	1145.9	1149.0	1159.9	1172.4	1177.0
15°	1124.1	1128.8	1144.4	1159.9	1166.1
17.5°	1100.8	1107.0	1125.7	1144.4	1152.1
20°	1075.8	1082.1	1105.4	1127.2	1136.6
22.5°	1047.8	1055.6	1082.1	1105.4	1114.8
25°	1016.7	1026.0	1052.5	1079.0	1091.4
27.5°	982.4	993.3	1022.9	1050.9	1061.8
30°	946.6	959.1	988.7	1018.2	1029.1
32.5°	907.7	918.6	954.4	982.4	993.3
35°	868.8	879.7	913.9	945.1	956.0
37.5°	826.7	840.7	875.0	903.0	913.9
40°	783.1	797.2	829.8	862.5	871.9
42.5°	741.1	753.6	784.7	814.3	823.6
45°	697.5	708.4	739.5	766.0	780.0
47.5°	652.4	663.3	694.4	719.3	727.1
50°	607.2	618.1	644.6	666.4	675.7
52.5°	562.1	573.0	597.9	618.1	627.4
55°	516.9	524.7	548.0	566.7	574.5
57.5°	471.8	478.0	496.7	516.9	521.6
60°	425.0	432.8	450.0	464.0	470.2
62.5°	383.0	386.1	401.7	414.1	421.9
65°	339.4	341.0	351.9	365.9	369.0
67.5°	294.3	295.8	306.7	314.5	317.6
70°	252.2	252.2	260.0	266.2	269.4
72.5°	211.7	210.2	214.9	221.1	224.2
75°	169.7	169.7	174.4	177.5	179.0
77.5°	133.9	130.8	133.9	137.0	137.0
80°	98.1	96.5	96.5	98.1	96.5
82.5°	66.9	65.4	66.9	63.8	62.3
85°	37.4	35.8	34.3	31.1	31.1
87.5°	12.5	10.9	10.9	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)