

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: P297328

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-36L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3370.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

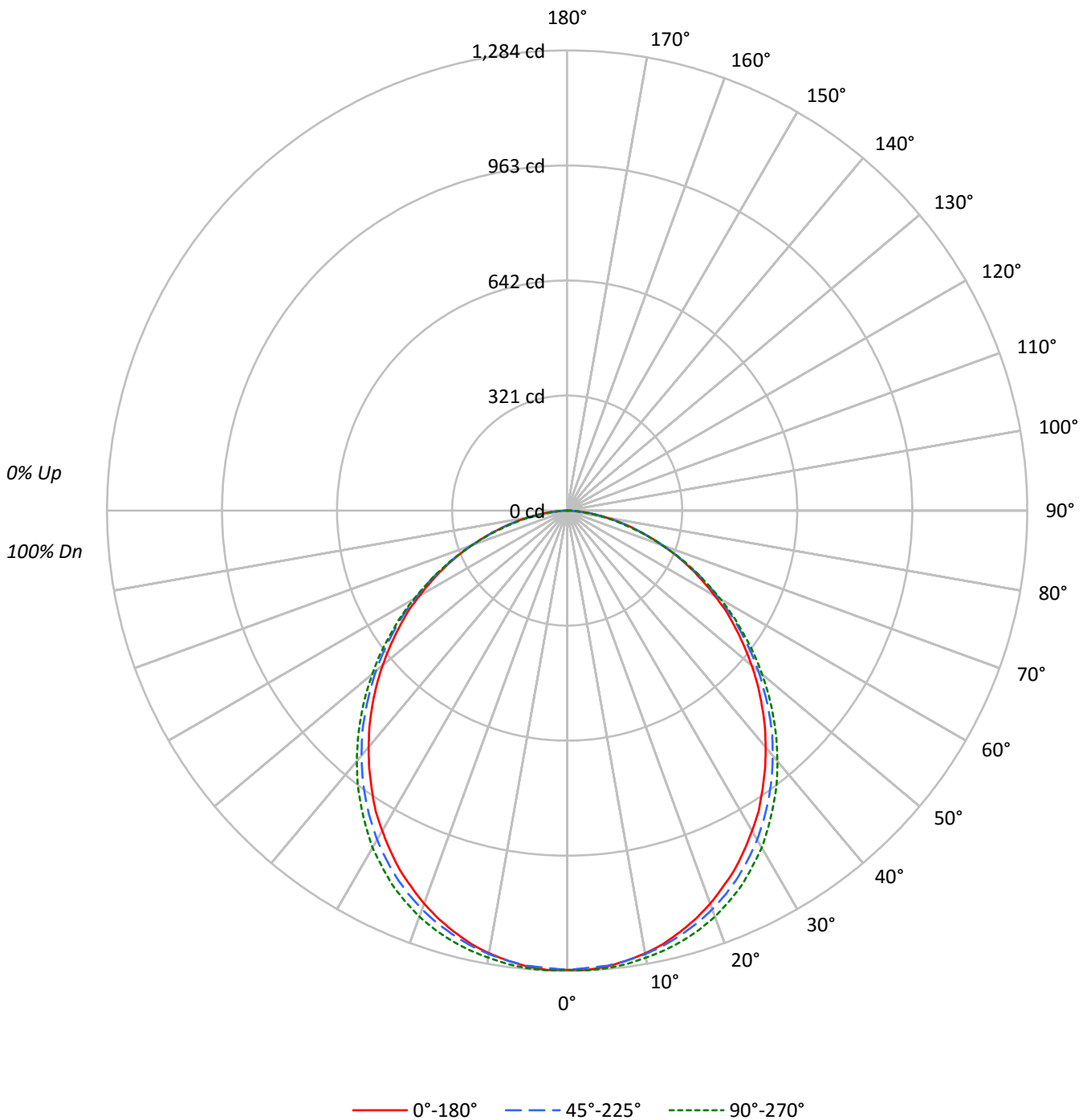
Input Watts (W): 25.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	1725	1725	1725
5°	1725	1722	1731
10°	1714	1717	1731
15°	1695	1708	1732
20°	1671	1695	1726
25°	1642	1675	1712
30°	1603	1647	1688
35°	1561	1611	1648
40°	1513	1567	1603
45°	1462	1516	1549
50°	1407	1459	1485
55°	1347	1390	1411
60°	1280	1313	1329
65°	1207	1225	1232
70°	1107	1121	1107
75°	998	991	962
80°	845	835	809
85°	631	613	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	3.6
10°-20°	346.6	10.3
20°-30°	519.7	15.4
30°-40°	612.1	18.2
40°-50°	612.2	18.2
50°-60°	528.2	15.7
60°-70°	380.1	11.3
70°-80°	201.6	6.0
80°-90°	48.1	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°	987.7	29.3
0°-40°	1599.8	47.5
0°-60°	2740.2	81.3
0°-90°	3370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1277	1276	1275	1279	1282	121
15°	1217	1220	1226	1238	1243	343
25°	1106	1112	1128	1148	1153	509
35°	950	962	981	998	1004	594
45°	768	779	797	811	814	593
55°	574	580	593	603	602	514
65°	379	380	385	387	387	375
75°	192	190	191	186	185	204
85°	41	41	40	36	35	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1281.7	1281.7	1281.7	1281.7	1281.7
2.5°	1282.8	1280.5	1277.1	1281.7	1283.9
5°	1277.1	1276.0	1274.9	1279.4	1281.7
7.5°	1266.9	1268.1	1266.9	1273.7	1276.0
10°	1254.4	1255.6	1256.7	1264.6	1266.9
12.5°	1238.5	1239.7	1243.1	1253.3	1256.7
15°	1217.0	1220.4	1226.0	1238.5	1243.1
17.5°	1194.3	1198.8	1206.7	1221.5	1226.0
20°	1167.0	1172.7	1184.0	1199.9	1205.6
22.5°	1136.4	1142.0	1157.9	1175.0	1180.6
25°	1105.7	1112.5	1128.4	1147.7	1153.4
27.5°	1069.4	1078.5	1095.5	1114.8	1119.3
30°	1031.9	1039.9	1060.3	1078.5	1086.4
32.5°	994.5	1002.4	1021.7	1039.9	1045.5
35°	950.2	961.5	980.8	997.9	1003.5
37.5°	907.0	917.3	937.7	954.7	960.4
40°	861.6	870.7	892.3	908.2	912.7
42.5°	816.2	825.3	846.9	859.4	863.9
45°	768.5	778.8	796.9	810.6	814.0
47.5°	720.9	728.8	745.8	758.3	762.9
50°	672.1	680.0	697.0	707.2	709.5
52.5°	623.2	628.9	644.8	653.9	657.3
55°	574.4	580.1	592.6	602.8	601.7
57.5°	527.9	530.2	542.6	549.5	549.5
60°	475.7	477.9	488.1	492.7	493.8
62.5°	426.8	430.3	438.2	439.3	439.3
65°	379.2	380.3	384.8	387.1	387.1
67.5°	331.5	330.4	334.9	334.9	333.8
70°	281.5	283.8	284.9	282.7	281.5
72.5°	236.1	235.0	235.0	233.9	233.9
75°	191.9	189.6	190.7	186.2	185.0
77.5°	151.0	147.6	146.4	144.2	141.9
80°	109.0	109.0	107.8	105.6	104.4
82.5°	72.7	72.7	71.5	69.2	67.0
85°	40.9	40.9	39.7	36.3	35.2
87.5°	13.6	13.6	13.6	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)