

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: P297476

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297476
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-36L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3486.0 lumens
Efficiency: N/A
Efficacy: 132.0 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

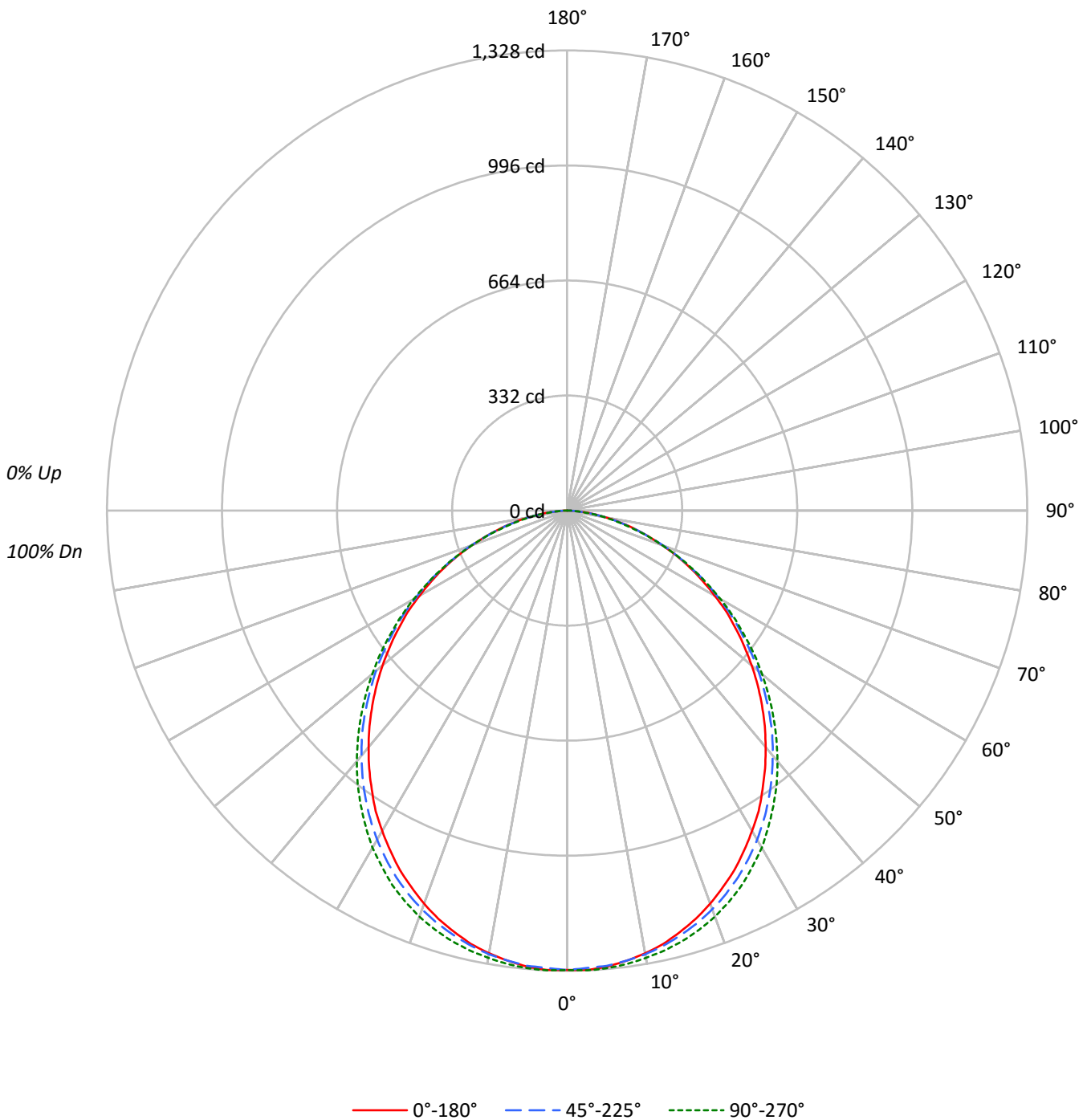
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	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	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1784	1784	1784
5°	1784	1781	1791
10°	1773	1776	1790
15°	1754	1767	1791
20°	1729	1754	1786
25°	1698	1733	1771
30°	1658	1704	1746
35°	1614	1667	1705
40°	1565	1621	1658
45°	1513	1569	1602
50°	1455	1509	1536
55°	1394	1438	1460
60°	1324	1359	1375
65°	1249	1267	1275
70°	1146	1160	1146
75°	1032	1026	995
80°	873	865	837
85°	653	634	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	3.6
10°-20°	358.6	10.3
20°-30°	537.6	15.4
30°-40°	633.2	18.2
40°-50°	633.3	18.2
50°-60°	546.4	15.7
60°-70°	393.2	11.3
70°-80°	208.6	6.0
80°-90°	49.7	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°	1021.8	29.3
0°-40°	1654.9	47.5
0°-60°	2834.6	81.3
0°-90°	3486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1321	1320	1319	1323	1326	125
15°	1259	1262	1268	1281	1286	355
25°	1144	1151	1167	1187	1193	526
35°	983	995	1015	1032	1038	615
45°	795	806	824	838	842	613
55°	594	600	613	624	622	532
65°	392	393	398	400	400	388
75°	198	196	197	193	191	211
85°	42	42	41	38	36	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1325.8	1325.8	1325.8	1325.8	1325.8
2.5°	1327.0	1324.6	1321.1	1325.8	1328.1
5°	1321.1	1319.9	1318.7	1323.4	1325.8
7.5°	1310.5	1311.7	1310.5	1317.6	1319.9
10°	1297.6	1298.8	1300.0	1308.2	1310.5
12.5°	1281.2	1282.3	1285.9	1296.4	1300.0
15°	1258.9	1262.4	1268.2	1281.2	1285.9
17.5°	1235.4	1240.1	1248.3	1263.6	1268.2
20°	1207.2	1213.1	1224.8	1241.2	1247.1
22.5°	1175.5	1181.4	1197.8	1215.4	1221.3
25°	1143.8	1150.8	1167.3	1187.2	1193.1
27.5°	1106.2	1115.6	1133.2	1153.2	1157.9
30°	1067.4	1075.7	1096.8	1115.6	1123.8
32.5°	1028.7	1036.9	1056.9	1075.7	1081.5
35°	982.9	994.6	1014.6	1032.2	1038.1
37.5°	938.3	948.8	970.0	987.6	993.5
40°	891.3	900.7	923.0	939.4	944.1
42.5°	844.3	853.7	876.0	888.9	893.6
45°	795.0	805.6	824.4	838.5	842.0
47.5°	745.7	753.9	771.5	784.4	789.1
50°	695.2	703.4	721.0	731.6	733.9
52.5°	644.7	650.6	667.0	676.4	679.9
55°	594.2	600.1	613.0	623.6	622.4
57.5°	546.1	548.4	561.3	568.4	568.4
60°	492.0	494.4	505.0	509.6	510.8
62.5°	441.5	445.1	453.3	454.5	454.5
65°	392.2	393.4	398.1	400.4	400.4
67.5°	342.9	341.7	346.4	346.4	345.2
70°	291.2	293.6	294.8	292.4	291.2
72.5°	244.3	243.1	243.1	241.9	241.9
75°	198.5	196.1	197.3	192.6	191.4
77.5°	156.2	152.7	151.5	149.1	146.8
80°	112.7	112.7	111.6	109.2	108.0
82.5°	75.2	75.2	74.0	71.6	69.3
85°	42.3	42.3	41.1	37.6	36.4
87.5°	14.1	14.1	14.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)