

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: P297504

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297504
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-55L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4348.0 lumens
Efficiency: N/A
Efficacy: 113.8 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

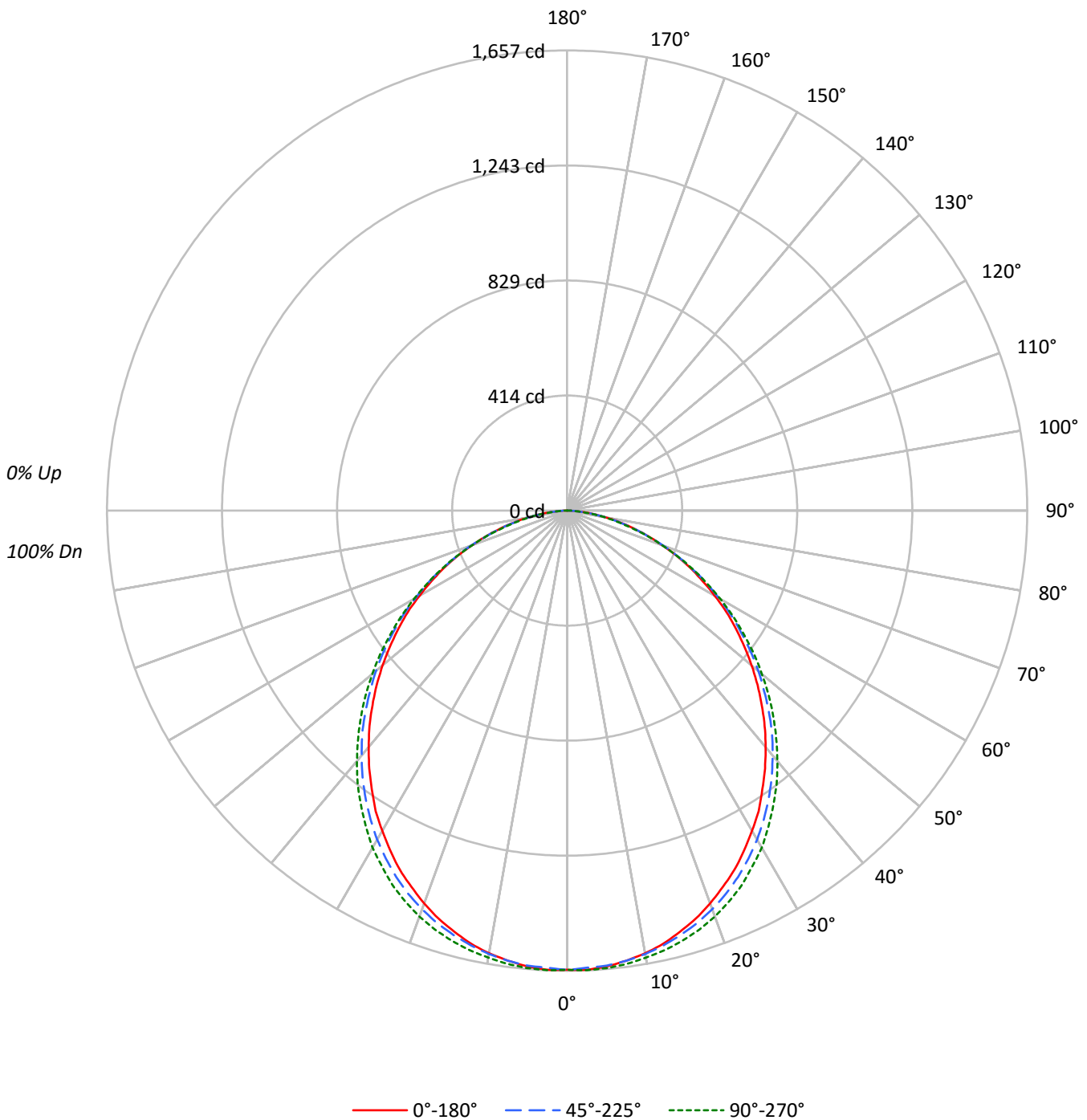
Input Watts (W): 38.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2225	2225	2225
5°	2226	2222	2233
10°	2211	2215	2233
15°	2187	2204	2234
20°	2156	2187	2227
25°	2118	2161	2209
30°	2069	2125	2178
35°	2014	2079	2127
40°	1953	2022	2068
45°	1887	1956	1998
50°	1815	1882	1916
55°	1738	1794	1821
60°	1651	1695	1714
65°	1557	1581	1590
70°	1429	1446	1429
75°	1287	1279	1241
80°	1089	1078	1044
85°	814	792	701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	3.6
10°-20°	447.3	10.3
20°-30°	670.6	15.4
30°-40°	789.7	18.2
40°-50°	789.9	18.2
50°-60°	681.5	15.7
60°-70°	490.4	11.3
70°-80°	260.1	6.0
80°-90°	62.0	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°	1274.4	29.3
0°-40°	2064.1	47.5
0°-60°	3535.5	81.3
0°-90°	4348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1654	1654	1654	1654	1654	
5°	1648	1646	1645	1651	1654	156
15°	1570	1574	1582	1598	1604	443
25°	1427	1435	1456	1481	1488	656
35°	1226	1241	1266	1288	1295	767
45°	992	1005	1028	1046	1050	765
55°	741	748	765	778	776	663
65°	489	491	496	500	500	484
75°	248	245	246	240	239	263
85°	53	53	51	47	45	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1653.6	1653.6	1653.6	1653.6	1653.6
2.5°	1655.1	1652.2	1647.8	1653.6	1656.6
5°	1647.8	1646.3	1644.8	1650.7	1653.6
7.5°	1634.6	1636.0	1634.6	1643.4	1646.3
10°	1618.5	1619.9	1621.4	1631.7	1634.6
12.5°	1598.0	1599.4	1603.8	1617.0	1621.4
15°	1570.1	1574.5	1581.9	1598.0	1603.8
17.5°	1540.8	1546.7	1557.0	1576.0	1581.9
20°	1505.7	1513.0	1527.7	1548.2	1555.5
22.5°	1466.1	1473.5	1494.0	1515.9	1523.3
25°	1426.6	1435.4	1455.9	1480.8	1488.1
27.5°	1379.7	1391.4	1413.4	1438.3	1444.2
30°	1331.4	1341.6	1368.0	1391.4	1401.7
32.5°	1283.1	1293.3	1318.2	1341.6	1349.0
35°	1225.9	1240.6	1265.5	1287.5	1294.8
37.5°	1170.3	1183.5	1209.8	1231.8	1239.1
40°	1111.7	1123.4	1151.2	1171.7	1177.6
42.5°	1053.1	1064.8	1092.7	1108.8	1114.6
45°	991.6	1004.8	1028.2	1045.8	1050.2
47.5°	930.1	940.3	962.3	978.4	984.3
50°	867.1	877.3	899.3	912.5	915.4
52.5°	804.1	811.4	831.9	843.7	848.1
55°	741.1	748.5	764.6	777.7	776.3
57.5°	681.1	684.0	700.1	708.9	708.9
60°	613.7	616.6	629.8	635.7	637.1
62.5°	550.7	555.1	565.4	566.8	566.8
65°	489.2	490.7	496.5	499.5	499.5
67.5°	427.7	426.2	432.1	432.1	430.6
70°	363.2	366.2	367.6	364.7	363.2
72.5°	304.7	303.2	303.2	301.7	301.7
75°	247.5	244.6	246.1	240.2	238.7
77.5°	194.8	190.4	188.9	186.0	183.1
80°	140.6	140.6	139.1	136.2	134.8
82.5°	93.7	93.7	92.3	89.3	86.4
85°	52.7	52.7	51.3	46.9	45.4
87.5°	17.6	17.6	17.6	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)