

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: P297531

Luminaire Tested: **D3X-WO-74L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297531
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-74L92765-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: 5825.0 lumens
Efficiency: N/A
Efficacy: 105.9 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

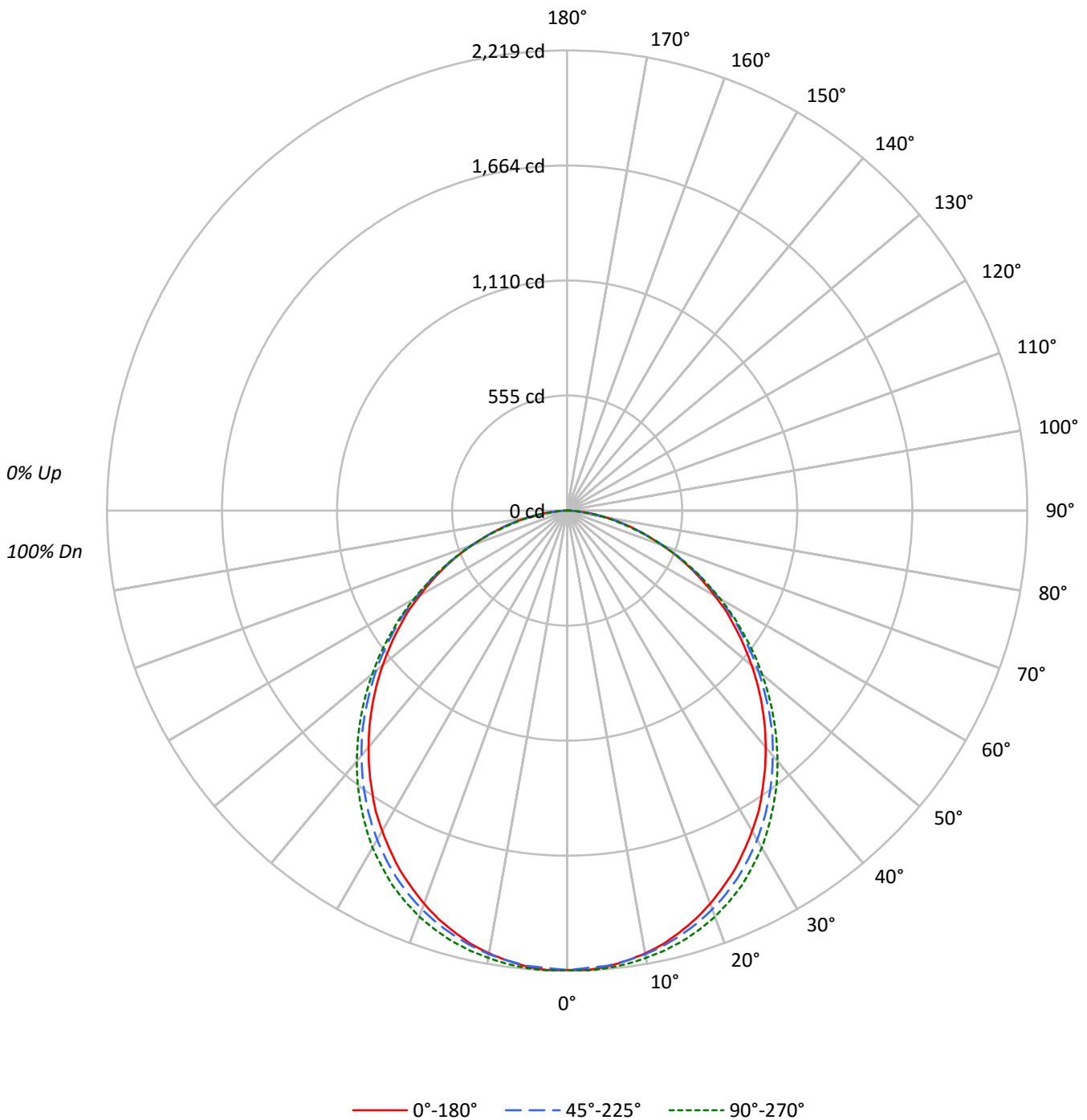
Input Watts (W): 55
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2981	2981	2981
5°	2982	2976	2992
10°	2962	2968	2992
15°	2930	2952	2993
20°	2888	2930	2984
25°	2837	2896	2960
30°	2771	2847	2918
35°	2698	2785	2849
40°	2616	2709	2771
45°	2528	2621	2677
50°	2431	2522	2567
55°	2329	2403	2440
60°	2213	2271	2297
65°	2087	2118	2130
70°	1914	1937	1914
75°	1724	1714	1663
80°	1460	1444	1399
85°	1090	1061	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	3.6
10°-20°	599.2	10.3
20°-30°	898.4	15.4
30°-40°	1058.0	18.2
40°-50°	1058.2	18.2
50°-60°	913.0	15.7
60°-70°	657.0	11.3
70°-80°	348.5	6.0
80°-90°	83.1	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°	1707.3	29.3
0°-40°	2765.3	47.5
0°-60°	4736.4	81.3
0°-90°	5825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2215	2215	2215	2215	2215	
5°	2208	2206	2204	2211	2215	209
15°	2104	2109	2119	2141	2149	593
25°	1911	1923	1950	1984	1994	879
35°	1642	1662	1695	1725	1735	1027
45°	1328	1346	1378	1401	1407	1025
55°	993	1003	1024	1042	1040	889
65°	655	657	665	669	669	648
75°	332	328	330	322	320	353
85°	71	71	69	63	61	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2215.4	2215.4	2215.4	2215.4	2215.4
2.5°	2217.3	2213.4	2207.5	2215.4	2219.3
5°	2207.5	2205.5	2203.6	2211.4	2215.4
7.5°	2189.8	2191.8	2189.8	2201.6	2205.5
10°	2168.3	2170.2	2172.2	2185.9	2189.8
12.5°	2140.8	2142.8	2148.6	2166.3	2172.2
15°	2103.5	2109.4	2119.2	2140.8	2148.6
17.5°	2064.3	2072.1	2085.8	2111.4	2119.2
20°	2017.2	2027.0	2046.6	2074.1	2083.9
22.5°	1964.2	1974.0	2001.5	2030.9	2040.7
25°	1911.2	1923.0	1950.5	1983.8	1993.6
27.5°	1848.4	1864.1	1893.5	1926.9	1934.8
30°	1783.7	1797.4	1832.7	1864.1	1877.9
32.5°	1718.9	1732.6	1766.0	1797.4	1807.2
35°	1642.4	1662.0	1695.4	1724.8	1734.6
37.5°	1567.8	1585.5	1620.8	1650.2	1660.0
40°	1489.3	1505.0	1542.3	1569.8	1577.6
42.5°	1410.8	1426.5	1463.8	1485.4	1493.3
45°	1328.4	1346.1	1377.5	1401.0	1406.9
47.5°	1246.0	1259.8	1289.2	1310.8	1318.6
50°	1161.6	1175.4	1204.8	1222.5	1226.4
52.5°	1077.3	1087.1	1114.5	1130.2	1136.1
55°	992.9	1002.7	1024.3	1041.9	1040.0
57.5°	912.4	916.4	937.9	949.7	949.7
60°	822.2	826.1	843.8	851.6	853.6
62.5°	737.8	743.7	757.4	759.4	759.4
65°	655.4	657.3	665.2	669.1	669.1
67.5°	573.0	571.0	578.9	578.9	576.9
70°	486.6	490.6	492.5	488.6	486.6
72.5°	408.1	406.2	406.2	404.2	404.2
75°	331.6	327.7	329.7	321.8	319.8
77.5°	261.0	255.1	253.1	249.2	245.3
80°	188.4	188.4	186.4	182.5	180.5
82.5°	125.6	125.6	123.6	119.7	115.8
85°	70.6	70.6	68.7	62.8	60.8
87.5°	23.5	23.5	23.5	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)