

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: P297377

Luminaire Tested: **D3X-WO-60L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297377
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-60L82765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6119.0 lumens
Efficiency: N/A
Efficacy: 138.8 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

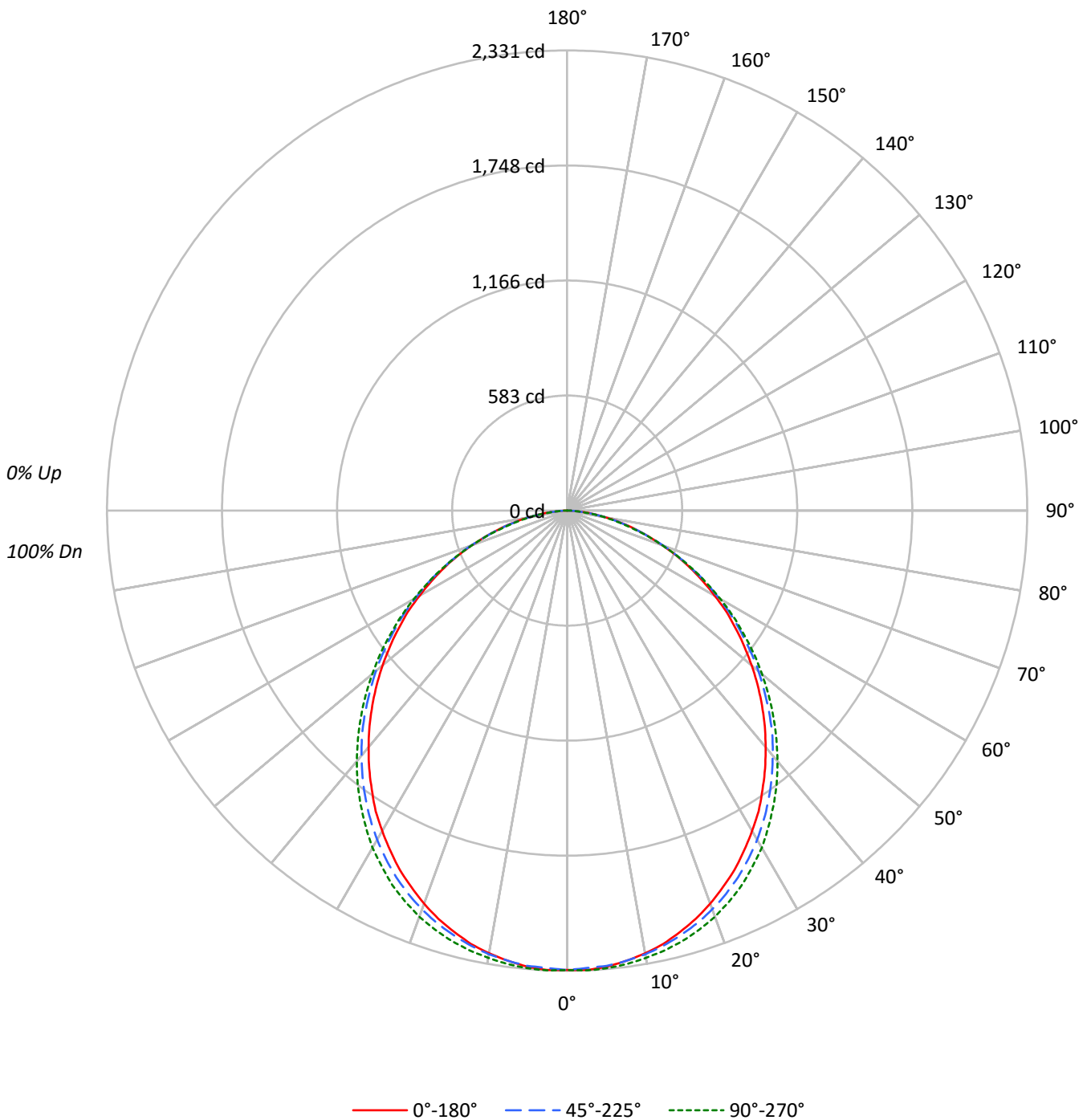
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3131	3131	3131
5°	3132	3126	3143
10°	3112	3117	3143
15°	3078	3101	3144
20°	3034	3078	3134
25°	2981	3042	3109
30°	2911	2991	3065
35°	2834	2925	2993
40°	2748	2846	2911
45°	2655	2753	2812
50°	2554	2649	2697
55°	2447	2524	2563
60°	2324	2385	2413
65°	2192	2225	2238
70°	2011	2035	2011
75°	1811	1800	1747
80°	1533	1517	1469
85°	1145	1113	986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.3	3.6
10°-20°	629.4	10.3
20°-30°	943.7	15.4
30°-40°	1111.4	18.2
40°-50°	1111.6	18.2
50°-60°	959.1	15.7
60°-70°	690.1	11.3
70°-80°	366.1	6.0
80°-90°	87.3	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°	1793.5	29.3
0°-40°	2904.9	47.5
0°-60°	4975.5	81.3
0°-90°	6119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2327	2327	2327	2327	2327	
5°	2319	2317	2315	2323	2327	220
15°	2210	2216	2226	2249	2257	623
25°	2008	2020	2049	2084	2094	923
35°	1725	1746	1781	1812	1822	1079
45°	1396	1414	1447	1472	1478	1076
55°	1043	1053	1076	1094	1092	933
65°	688	690	699	703	703	681
75°	348	344	346	338	336	371
85°	74	74	72	66	64	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2327.2	2327.2	2327.2	2327.2	2327.2
2.5°	2329.2	2325.1	2318.9	2327.2	2331.3
5°	2318.9	2316.9	2314.8	2323.0	2327.2
7.5°	2300.4	2302.4	2300.4	2312.7	2316.9
10°	2277.7	2279.8	2281.8	2296.2	2300.4
12.5°	2248.8	2250.9	2257.1	2275.6	2281.8
15°	2209.7	2215.9	2226.2	2248.8	2257.1
17.5°	2168.5	2176.7	2191.1	2217.9	2226.2
20°	2119.0	2129.3	2149.9	2178.8	2189.1
22.5°	2063.3	2073.6	2102.5	2133.4	2143.7
25°	2007.7	2020.0	2048.9	2083.9	2094.2
27.5°	1941.7	1958.2	1989.1	2024.2	2032.4
30°	1873.7	1888.1	1925.2	1958.2	1972.6
32.5°	1805.7	1820.1	1855.1	1888.1	1898.4
35°	1725.3	1745.9	1780.9	1811.9	1822.2
37.5°	1647.0	1665.5	1702.6	1733.5	1743.8
40°	1564.5	1581.0	1620.2	1649.0	1657.3
42.5°	1482.0	1498.5	1537.7	1560.4	1568.6
45°	1395.5	1414.0	1447.0	1471.7	1477.9
47.5°	1308.9	1323.3	1354.3	1376.9	1385.2
50°	1220.3	1234.7	1265.6	1284.2	1288.3
52.5°	1131.6	1141.9	1170.8	1187.3	1193.5
55°	1043.0	1053.3	1076.0	1094.5	1092.5
57.5°	958.5	962.6	985.3	997.7	997.7
60°	863.7	867.8	886.3	894.6	896.7
62.5°	775.0	781.2	795.6	797.7	797.7
65°	688.5	690.5	698.8	702.9	702.9
67.5°	601.9	599.8	608.1	608.1	606.0
70°	511.2	515.3	517.4	513.3	511.2
72.5°	428.7	426.7	426.7	424.6	424.6
75°	348.4	344.2	346.3	338.0	336.0
77.5°	274.1	268.0	265.9	261.8	257.7
80°	197.9	197.9	195.8	191.7	189.6
82.5°	131.9	131.9	129.9	125.7	121.6
85°	74.2	74.2	72.1	66.0	63.9
87.5°	24.7	24.7	24.7	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)