

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: P296882

Luminaire Tested: **D3X-WD-60L93050-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-60L93050-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5282.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

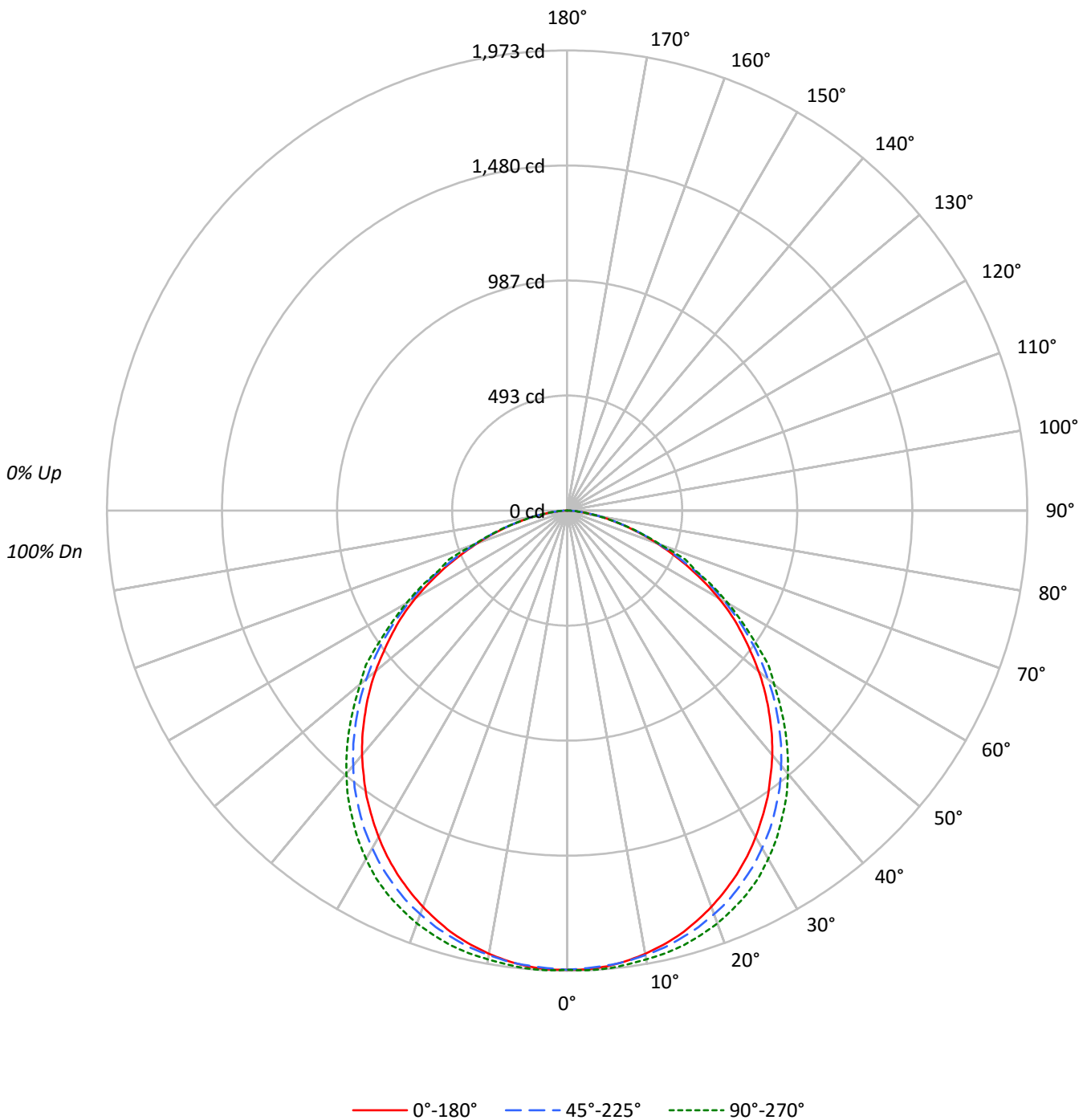
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2649	2649	2649
5°	2649	2644	2662
10°	2636	2644	2670
15°	2619	2643	2687
20°	2589	2638	2697
25°	2555	2622	2698
30°	2512	2597	2679
35°	2462	2559	2640
40°	2403	2507	2586
45°	2330	2438	2513
50°	2245	2352	2424
55°	2143	2241	2307
60°	2020	2096	2147
65°	1834	1895	1931
70°	1611	1648	1670
75°	1359	1379	1389
80°	1086	1101	1072
85°	732	761	732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	3.5
10°-20°	536.6	10.2
20°-30°	814.2	15.4
30°-40°	972.1	18.4
40°-50°	984.1	18.6
50°-60°	850.7	16.1
60°-70°	589.6	11.2
70°-80°	285.3	5.4
80°-90°	62.7	1.2
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°	1537.5	29.1
0°-40°	2509.6	47.5
0°-60°	4344.4	82.2
0°-90°	5282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1969	1969	1969	1969	1969	
5°	1962	1960	1958	1967	1971	186
15°	1880	1884	1897	1920	1929	530
25°	1721	1732	1766	1802	1818	792
35°	1499	1512	1558	1598	1607	936
45°	1224	1241	1281	1313	1321	944
55°	914	923	955	995	984	816
65°	576	582	595	605	606	570
75°	262	263	265	263	267	281
85°	47	51	49	47	47	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1969.1	1969.1	1969.1	1969.1	1969.1
2.5°	1969.1	1967.2	1963.4	1969.1	1972.9
5°	1961.5	1959.6	1957.7	1967.2	1971.0
7.5°	1948.2	1948.2	1950.1	1959.6	1963.4
10°	1929.3	1931.2	1935.0	1950.1	1953.9
12.5°	1906.6	1910.3	1919.8	1936.9	1944.5
15°	1880.0	1883.8	1897.1	1919.8	1929.3
17.5°	1845.9	1853.5	1872.4	1899.0	1908.4
20°	1808.0	1817.5	1842.1	1872.4	1883.8
22.5°	1766.3	1775.8	1808.0	1840.2	1851.6
25°	1720.8	1732.2	1766.3	1802.3	1817.5
27.5°	1671.5	1684.8	1722.7	1760.6	1775.8
30°	1616.6	1631.7	1671.5	1711.3	1724.6
32.5°	1557.8	1573.0	1618.5	1656.4	1669.7
35°	1499.1	1512.4	1557.8	1597.6	1607.1
37.5°	1432.8	1447.9	1497.2	1531.3	1544.6
40°	1368.3	1383.5	1427.1	1461.2	1472.6
42.5°	1298.2	1313.4	1356.9	1389.2	1398.6
45°	1224.3	1241.3	1281.1	1313.4	1320.9
47.5°	1150.4	1163.6	1205.3	1233.8	1239.4
50°	1072.7	1085.9	1123.8	1152.3	1158.0
52.5°	991.2	1012.0	1042.3	1063.2	1087.8
55°	913.5	923.0	955.2	995.0	983.6
57.5°	835.8	841.5	868.0	885.0	888.8
60°	750.5	758.1	778.9	788.4	797.9
62.5°	661.4	667.1	691.7	701.2	705.0
65°	576.1	581.8	595.1	604.6	606.5
67.5°	489.0	494.6	506.0	513.6	547.7
70°	409.4	413.1	418.8	434.0	424.5
72.5°	333.6	335.4	341.1	341.1	343.0
75°	261.5	263.4	265.3	263.4	267.2
77.5°	195.2	199.0	200.9	199.0	197.1
80°	140.2	144.0	142.1	138.3	138.3
82.5°	91.0	92.9	91.0	89.1	89.1
85°	47.4	51.2	49.3	47.4	47.4
87.5°	17.1	19.0	20.8	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)