

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: P297442

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297442
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-60L93050-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5626.0 lumens
Efficiency: N/A
Efficacy: 124.7 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

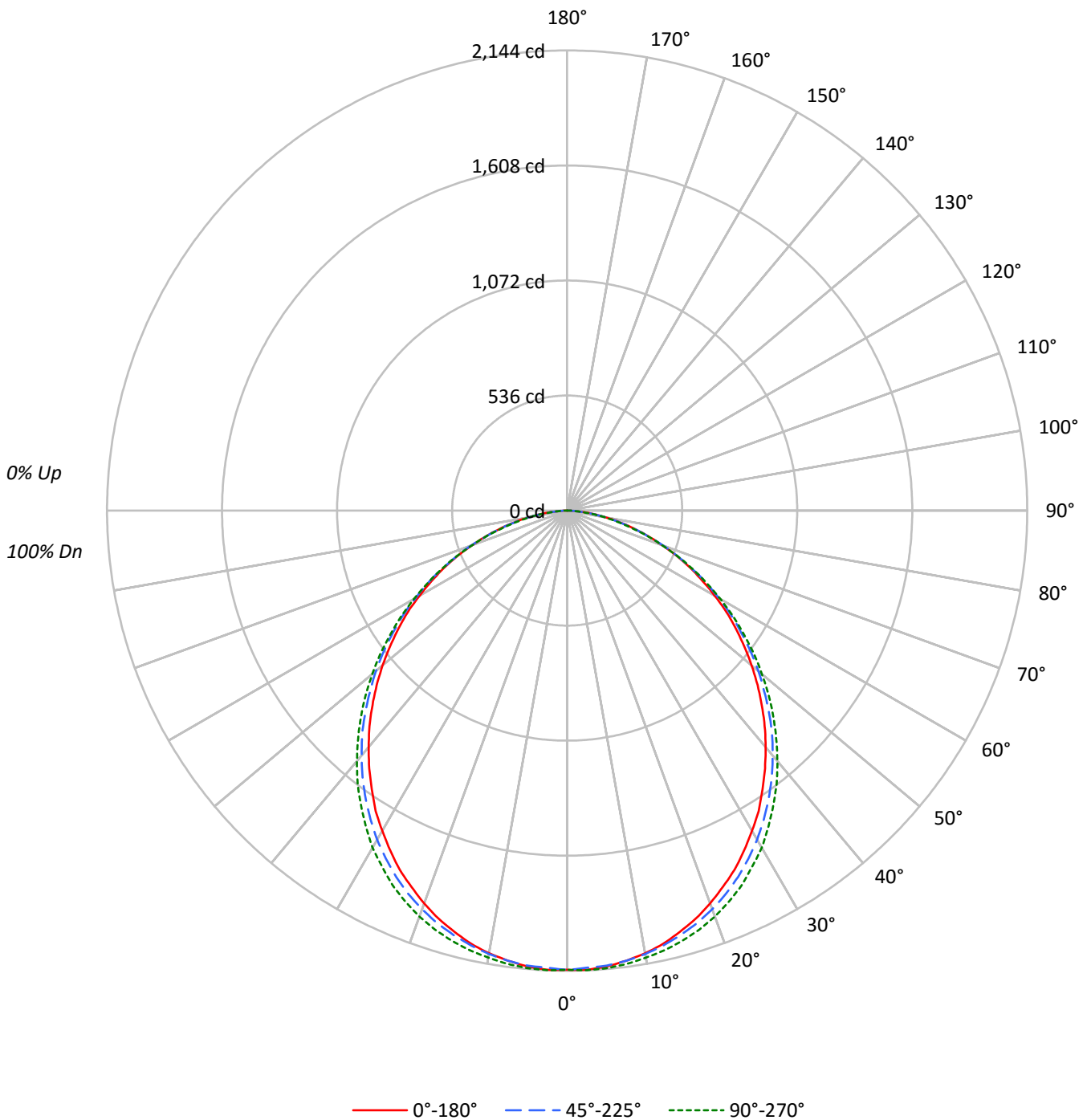
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2879	2879	2879
5°	2880	2875	2890
10°	2861	2866	2890
15°	2830	2851	2891
20°	2790	2830	2882
25°	2740	2797	2859
30°	2676	2750	2818
35°	2606	2689	2752
40°	2527	2616	2676
45°	2441	2531	2586
50°	2349	2436	2479
55°	2250	2321	2356
60°	2137	2193	2218
65°	2015	2046	2058
70°	1849	1871	1849
75°	1665	1655	1606
80°	1409	1395	1351
85°	1053	1024	908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	3.6
10°-20°	578.7	10.3
20°-30°	867.7	15.4
30°-40°	1021.8	18.2
40°-50°	1022.0	18.2
50°-60°	881.8	15.7
60°-70°	634.5	11.3
70°-80°	336.6	6.0
80°-90°	80.2	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°	1649.0	29.3
0°-40°	2670.8	47.5
0°-60°	4574.6	81.3
0°-90°	5626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2132	2130	2128	2136	2140	202
15°	2032	2037	2047	2068	2075	573
25°	1846	1857	1884	1916	1926	849
35°	1586	1605	1637	1666	1675	992
45°	1283	1300	1330	1353	1359	990
55°	959	968	989	1006	1004	858
65°	633	635	642	646	646	626
75°	320	316	318	311	309	341
85°	68	68	66	61	59	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2139.7	2139.7	2139.7	2139.7	2139.7
2.5°	2141.6	2137.8	2132.1	2139.7	2143.5
5°	2132.1	2130.2	2128.3	2135.9	2139.7
7.5°	2115.0	2116.9	2115.0	2126.4	2130.2
10°	2094.2	2096.1	2098.0	2111.2	2115.0
12.5°	2067.7	2069.5	2075.2	2092.3	2098.0
15°	2031.6	2037.3	2046.8	2067.7	2075.2
17.5°	1993.7	2001.3	2014.6	2039.2	2046.8
20°	1948.3	1957.7	1976.7	2003.2	2012.7
22.5°	1897.1	1906.6	1933.1	1961.5	1971.0
25°	1845.9	1857.3	1883.8	1916.0	1925.5
27.5°	1785.3	1800.4	1828.9	1861.1	1868.7
30°	1722.7	1736.0	1770.1	1800.4	1813.7
32.5°	1660.2	1673.5	1705.7	1736.0	1745.5
35°	1586.3	1605.2	1637.4	1665.9	1675.3
37.5°	1514.3	1531.3	1565.4	1593.9	1603.3
40°	1438.5	1453.6	1489.6	1516.2	1523.7
42.5°	1362.6	1377.8	1413.8	1434.7	1442.2
45°	1283.0	1300.1	1330.4	1353.2	1358.9
47.5°	1203.4	1216.7	1245.1	1266.0	1273.6
50°	1122.0	1135.2	1163.6	1180.7	1184.5
52.5°	1040.5	1049.9	1076.5	1091.6	1097.3
55°	959.0	968.4	989.3	1006.3	1004.5
57.5°	881.3	885.1	905.9	917.3	917.3
60°	794.1	797.9	814.9	822.5	824.4
62.5°	712.6	718.3	731.5	733.4	733.4
65°	633.0	634.9	642.5	646.3	646.3
67.5°	553.4	551.5	559.1	559.1	557.2
70°	470.0	473.8	475.7	471.9	470.0
72.5°	394.2	392.3	392.3	390.4	390.4
75°	320.3	316.5	318.4	310.8	308.9
77.5°	252.1	246.4	244.5	240.7	236.9
80°	181.9	181.9	180.0	176.3	174.4
82.5°	121.3	121.3	119.4	115.6	111.8
85°	68.2	68.2	66.3	60.6	58.8
87.5°	22.7	22.7	22.7	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)