

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: P296881

Luminaire Tested: **D3X-WD-60L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296881
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-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5191.0 lumens
Efficiency: N/A
Efficacy: 116.9 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

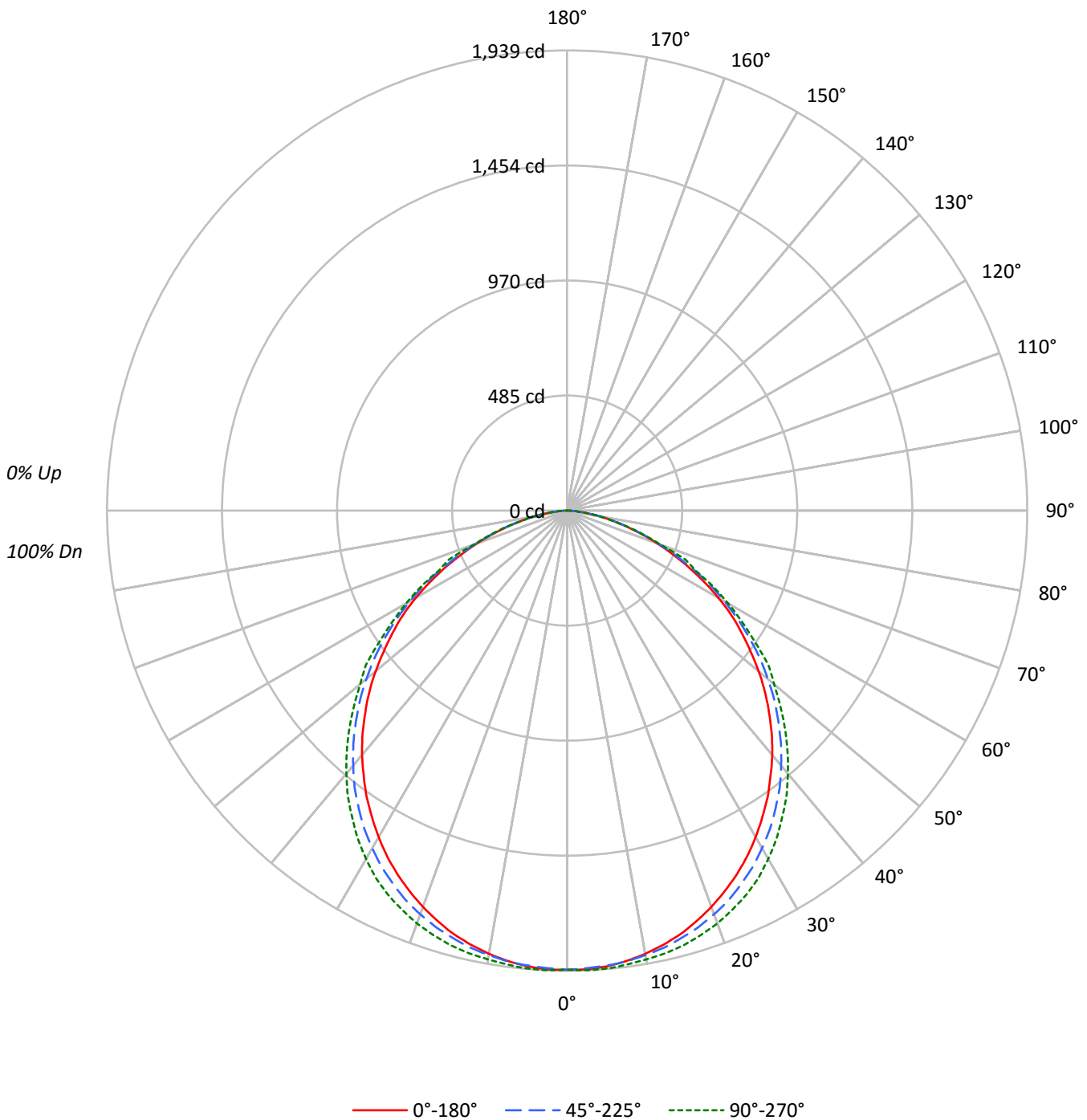
Input Watts (W): 44.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2604	2604	2604
5°	2604	2599	2616
10°	2591	2598	2624
15°	2574	2597	2641
20°	2544	2592	2651
25°	2511	2577	2652
30°	2468	2552	2633
35°	2420	2515	2594
40°	2362	2463	2542
45°	2289	2396	2470
50°	2207	2312	2382
55°	2106	2202	2268
60°	1985	2060	2110
65°	1803	1862	1897
70°	1583	1619	1641
75°	1336	1356	1365
80°	1068	1082	1054
85°	719	747	719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	3.5
10°-20°	527.4	10.2
20°-30°	800.2	15.4
30°-40°	955.4	18.4
40°-50°	967.2	18.6
50°-60°	836.0	16.1
60°-70°	579.4	11.2
70°-80°	280.4	5.4
80°-90°	61.6	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°	1511.0	29.1
0°-40°	2466.4	47.5
0°-60°	4269.6	82.2
0°-90°	5191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1935	1935	1935	1935	1935	
5°	1928	1926	1924	1933	1937	183
15°	1848	1851	1864	1887	1896	521
25°	1691	1702	1736	1771	1786	779
35°	1473	1486	1531	1570	1579	920
45°	1203	1220	1259	1291	1298	928
55°	898	907	939	978	967	802
65°	566	572	585	594	596	560
75°	257	259	261	259	263	276
85°	47	50	48	47	47	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1935.2	1935.2	1935.2	1935.2	1935.2
2.5°	1935.2	1933.3	1929.6	1935.2	1938.9
5°	1927.7	1925.9	1924.0	1933.3	1937.0
7.5°	1914.7	1914.7	1916.5	1925.9	1929.6
10°	1896.1	1897.9	1901.6	1916.5	1920.3
12.5°	1873.7	1877.4	1886.7	1903.5	1911.0
15°	1847.6	1851.4	1864.4	1886.7	1896.1
17.5°	1814.1	1821.6	1840.2	1866.3	1875.6
20°	1776.9	1786.2	1810.4	1840.2	1851.4
22.5°	1735.9	1745.2	1776.9	1808.5	1819.7
25°	1691.2	1702.4	1735.9	1771.3	1786.2
27.5°	1642.8	1655.8	1693.0	1730.3	1745.2
30°	1588.7	1603.6	1642.8	1681.9	1694.9
32.5°	1531.0	1545.9	1590.6	1627.9	1640.9
35°	1473.3	1486.3	1531.0	1570.1	1579.4
37.5°	1408.1	1423.0	1471.4	1504.9	1518.0
40°	1344.7	1359.6	1402.5	1436.0	1447.2
42.5°	1275.8	1290.7	1333.6	1365.2	1374.5
45°	1203.2	1220.0	1259.1	1290.7	1298.2
47.5°	1130.6	1143.6	1184.6	1212.5	1218.1
50°	1054.2	1067.2	1104.5	1132.4	1138.0
52.5°	974.1	994.6	1024.4	1044.9	1069.1
55°	897.7	907.1	938.7	977.8	966.7
57.5°	821.4	827.0	853.0	869.8	873.5
60°	737.6	745.0	765.5	774.8	784.1
62.5°	650.0	655.6	679.8	689.1	692.9
65°	566.2	571.8	584.8	594.1	596.0
67.5°	480.5	486.1	497.3	504.7	538.3
70°	402.3	406.0	411.6	426.5	417.2
72.5°	327.8	329.7	335.3	335.3	337.1
75°	257.0	258.9	260.8	258.9	262.6
77.5°	191.8	195.6	197.4	195.6	193.7
80°	137.8	141.6	139.7	136.0	136.0
82.5°	89.4	91.3	89.4	87.5	87.5
85°	46.6	50.3	48.4	46.6	46.6
87.5°	16.8	18.6	20.5	22.4	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)