

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: P297023

Luminaire Tested: **D3X-WG-60L83050-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-60L83050-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6005.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

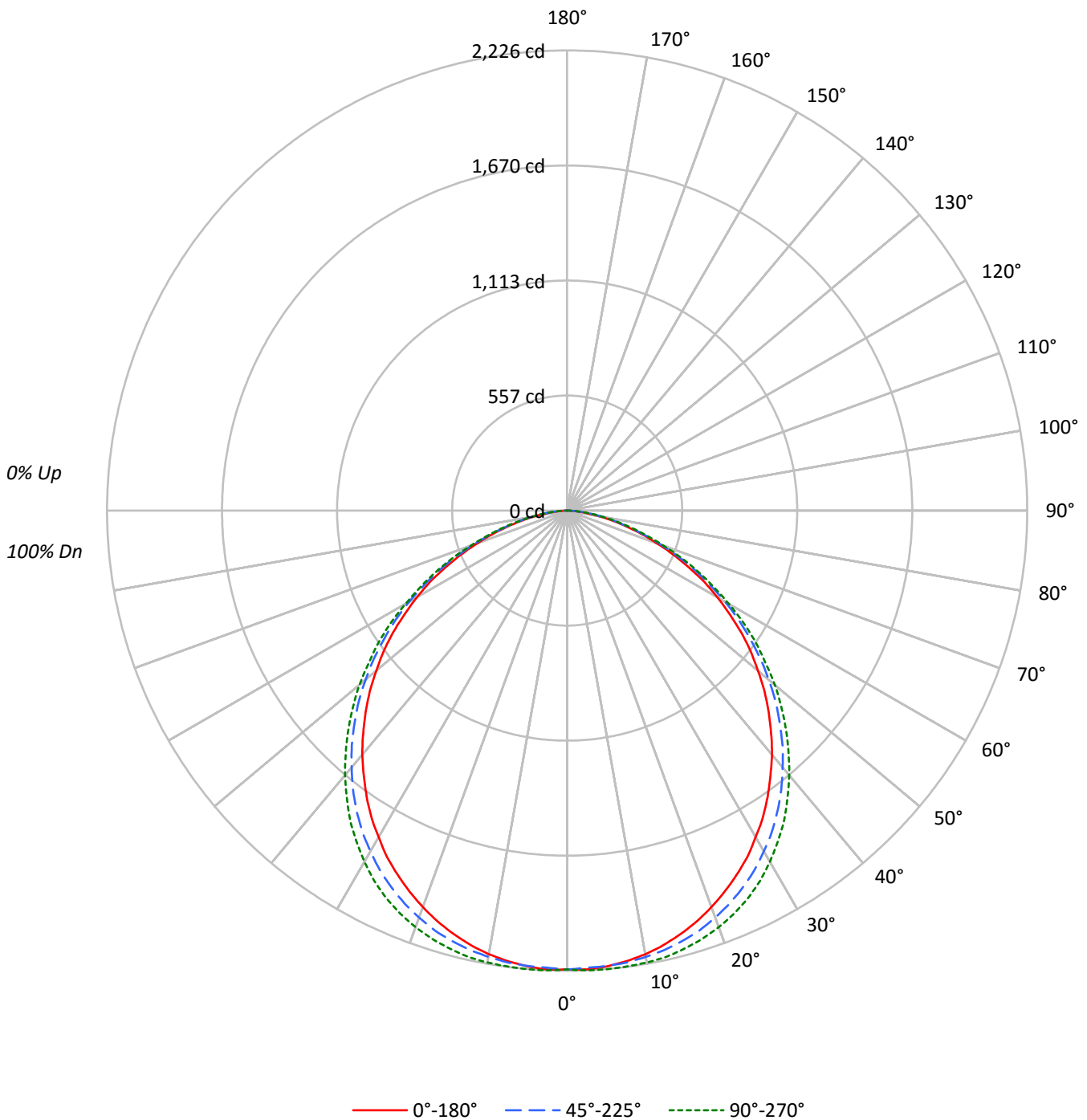
Input Watts (W): 45.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297023

CATALOG NUMBER: D3X-WG-60L83050-LD5-UNV-24-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P297023

CATALOG NUMBER: D3X-WG-60L83050-LD5-UNV-24-T1-W2A-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2987	2987	2987
5°	2990	2987	3007
10°	2977	2995	3033
15°	2954	3002	3056
20°	2923	3000	3071
25°	2884	2986	3072
30°	2834	2958	3048
35°	2777	2915	3007
40°	2709	2849	2936
45°	2624	2767	2849
50°	2521	2665	2747
55°	2412	2533	2614
60°	2257	2373	2431
65°	2061	2171	2226
70°	1811	1904	1955
75°	1532	1611	1666
80°	1216	1333	1367
85°	831	996	963



TEST NUMBER: P297023

CATALOG NUMBER: D3X-WG-60L83050-LD5-UNV-24-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	3.5
10°-20°	609.0	10.1
20°-30°	925.4	15.4
30°-40°	1104.3	18.4
40°-50°	1115.3	18.6
50°-60°	960.9	16.0
60°-70°	669.8	11.2
70°-80°	331.9	5.5
80°-90°	77.4	1.3
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°	1745.3	29.1
0°-40°	2849.6	47.5
0°-60°	4925.8	82.0
0°-90°	6005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2214	2211	2211	2222	2226	210
15°	2121	2132	2155	2183	2194	598
25°	1942	1968	2011	2052	2069	895
35°	1691	1719	1775	1816	1831	1057
45°	1379	1409	1454	1489	1497	1063
55°	1028	1050	1080	1106	1114	916
65°	648	660	682	688	699	643
75°	295	299	310	316	320	318
85°	54	64	64	60	62	69
90°	0	0	0	0	0	



TEST NUMBER: P297023

CATALOG NUMBER: D3X-WG-60L83050-LD5-UNV-24-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2219.9	2219.9	2219.9	2219.9	2219.9
2.5°	2222.1	2217.8	2213.5	2222.1	2226.4
5°	2213.5	2211.3	2211.3	2222.1	2226.4
7.5°	2198.4	2198.4	2204.9	2219.9	2224.2
10°	2179.1	2183.4	2192.0	2213.5	2219.9
12.5°	2153.2	2161.8	2176.9	2202.7	2211.3
15°	2121.0	2131.7	2155.4	2183.4	2194.1
17.5°	2084.4	2099.5	2129.6	2161.8	2172.6
20°	2041.4	2060.7	2095.2	2131.7	2144.6
22.5°	1994.1	2017.7	2056.4	2095.2	2110.2
25°	1942.4	1968.2	2011.3	2052.1	2069.3
27.5°	1888.7	1914.5	1961.8	2002.7	2019.9
30°	1824.1	1854.2	1903.7	1946.7	1961.8
32.5°	1761.7	1791.9	1843.5	1882.2	1897.3
35°	1690.8	1718.7	1774.6	1815.5	1830.6
37.5°	1615.5	1647.7	1701.5	1738.1	1751.0
40°	1542.3	1570.3	1621.9	1658.5	1671.4
42.5°	1460.6	1490.7	1542.3	1574.6	1585.4
45°	1378.8	1409.0	1454.1	1488.6	1497.2
47.5°	1295.0	1322.9	1368.1	1396.1	1404.7
50°	1204.6	1230.4	1273.4	1301.4	1312.2
52.5°	1118.6	1142.2	1178.8	1202.5	1208.9
55°	1028.2	1049.7	1079.8	1105.7	1114.3
57.5°	931.4	955.1	983.0	1004.6	1011.0
60°	838.9	858.3	881.9	901.3	903.5
62.5°	748.6	757.2	778.7	795.9	798.1
65°	647.5	660.4	681.9	688.3	699.1
67.5°	555.0	563.6	580.8	589.4	598.0
70°	460.3	466.8	484.0	494.7	496.9
72.5°	378.6	380.7	393.6	402.3	404.4
75°	294.7	299.0	309.8	316.2	320.5
77.5°	223.7	228.0	236.6	240.9	240.9
80°	157.0	163.5	172.1	174.2	176.4
82.5°	101.1	109.7	116.2	118.3	114.0
85°	53.8	64.5	64.5	60.2	62.4
87.5°	19.4	23.7	25.8	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)