

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: P296953

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296953
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-60L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4431.0 lumens
Efficiency: N/A
Efficacy: 102.6 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

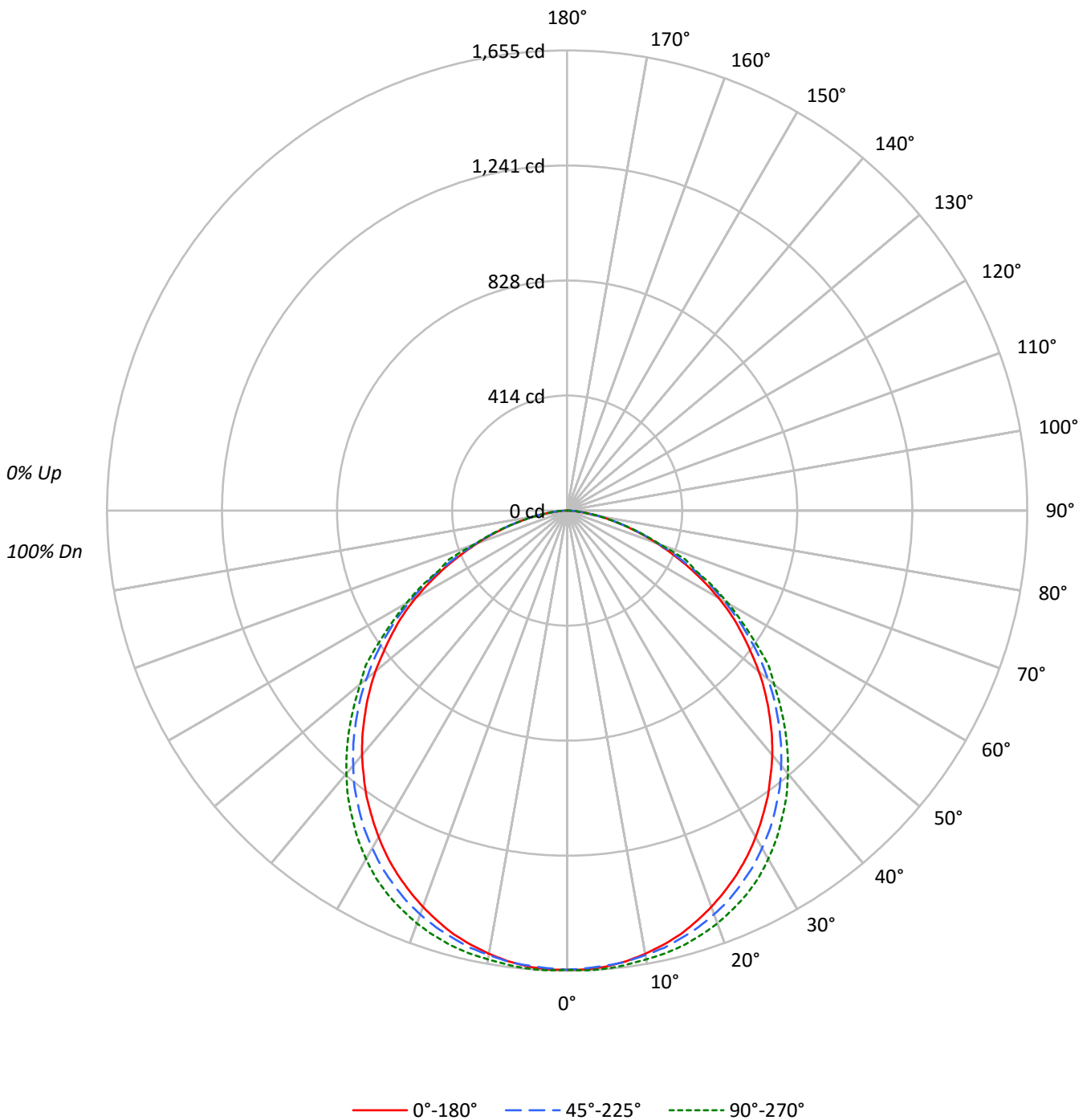
Input Watts (W): 43.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2222	2222	2222
5°	2222	2218	2233
10°	2211	2218	2239
15°	2197	2217	2254
20°	2172	2213	2263
25°	2143	2200	2264
30°	2107	2179	2248
35°	2066	2146	2214
40°	2016	2103	2170
45°	1954	2045	2109
50°	1884	1973	2033
55°	1798	1880	1936
60°	1694	1758	1801
65°	1539	1589	1620
70°	1351	1382	1401
75°	1141	1157	1166
80°	911	924	900
85°	613	638	613



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	3.5
10°-20°	450.2	10.2
20°-30°	683.0	15.4
30°-40°	815.5	18.4
40°-50°	825.6	18.6
50°-60°	713.6	16.1
60°-70°	494.6	11.2
70°-80°	239.3	5.4
80°-90°	52.6	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°	1289.8	29.1
0°-40°	2105.3	47.5
0°-60°	3644.5	82.2
0°-90°	4431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1652	1652	1652	1652	1652	
5°	1646	1644	1642	1650	1653	156
15°	1577	1580	1591	1610	1618	444
25°	1444	1453	1482	1512	1525	665
35°	1258	1269	1307	1340	1348	786
45°	1027	1041	1075	1102	1108	792
55°	766	774	801	835	825	685
65°	483	488	499	507	509	478
75°	219	221	223	221	224	235
85°	40	43	41	40	40	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1651.8	1651.8	1651.8	1651.8	1651.8
2.5°	1651.8	1650.3	1647.1	1651.8	1655.0
5°	1645.5	1643.9	1642.3	1650.3	1653.4
7.5°	1634.4	1634.4	1635.9	1643.9	1647.1
10°	1618.5	1620.0	1623.2	1635.9	1639.1
12.5°	1599.4	1602.6	1610.5	1624.8	1631.2
15°	1577.1	1580.3	1591.4	1610.5	1618.5
17.5°	1548.5	1554.9	1570.8	1593.0	1601.0
20°	1516.7	1524.7	1545.3	1570.8	1580.3
22.5°	1481.7	1489.7	1516.7	1543.7	1553.3
25°	1443.6	1453.1	1481.7	1511.9	1524.7
27.5°	1402.2	1413.4	1445.2	1477.0	1489.7
30°	1356.1	1368.9	1402.2	1435.6	1446.8
32.5°	1306.8	1319.6	1357.7	1389.5	1400.7
35°	1257.6	1268.7	1306.8	1340.2	1348.2
37.5°	1201.9	1214.6	1256.0	1284.6	1295.7
40°	1147.9	1160.6	1197.2	1225.8	1235.3
42.5°	1089.0	1101.8	1138.3	1165.4	1173.3
45°	1027.0	1041.3	1074.7	1101.8	1108.1
47.5°	965.0	976.2	1011.1	1035.0	1039.8
50°	899.9	911.0	942.8	966.6	971.4
52.5°	831.5	849.0	874.4	891.9	912.6
55°	766.3	774.3	801.3	834.7	825.1
57.5°	701.1	705.9	728.1	742.5	745.6
60°	629.6	635.9	653.4	661.4	669.3
62.5°	554.9	559.6	580.3	588.2	591.4
65°	483.3	488.1	499.2	507.2	508.7
67.5°	410.2	414.9	424.5	430.8	459.5
70°	343.4	346.6	351.4	364.1	356.1
72.5°	279.8	281.4	286.2	286.2	287.8
75°	219.4	221.0	222.6	221.0	224.2
77.5°	163.8	166.9	168.5	166.9	165.3
80°	117.6	120.8	119.2	116.1	116.1
82.5°	76.3	77.9	76.3	74.7	74.7
85°	39.7	42.9	41.3	39.7	39.7
87.5°	14.3	15.9	17.5	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)