

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: P297373

Luminaire Tested: **D3X-WO-60L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297373
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-60L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5528.0 lumens
Efficiency: N/A
Efficacy: 128.0 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

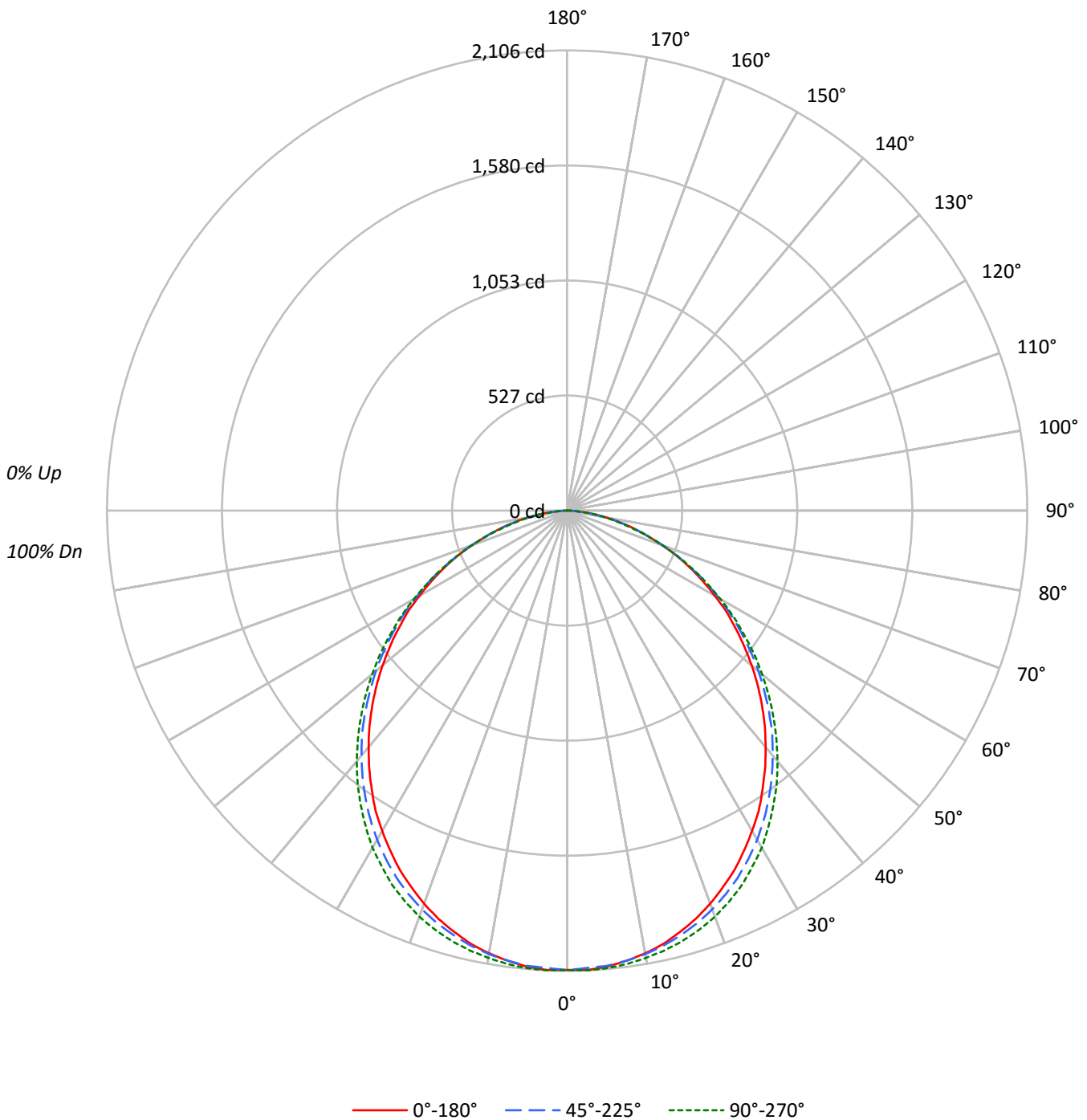
Input Watts (W): 43.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2829	2829	2829
5°	2830	2824	2840
10°	2811	2816	2839
15°	2781	2802	2840
20°	2741	2781	2832
25°	2693	2748	2809
30°	2630	2702	2769
35°	2560	2643	2704
40°	2483	2571	2630
45°	2399	2487	2541
50°	2308	2393	2436
55°	2210	2280	2315
60°	2100	2155	2180
65°	1980	2010	2022
70°	1817	1839	1817
75°	1636	1626	1578
80°	1385	1371	1327
85°	1034	1007	891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.1	3.6
10°-20°	568.6	10.3
20°-30°	852.6	15.4
30°-40°	1004.0	18.2
40°-50°	1004.2	18.2
50°-60°	866.4	15.7
60°-70°	623.5	11.3
70°-80°	330.7	6.0
80°-90°	78.9	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°	1620.3	29.3
0°-40°	2624.3	47.5
0°-60°	4495.0	81.3
0°-90°	5528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2102	2102	2102	2102	2102	
5°	2095	2093	2091	2099	2102	199
15°	1996	2002	2011	2032	2039	563
25°	1814	1825	1851	1883	1892	834
35°	1559	1577	1609	1637	1646	975
45°	1261	1278	1307	1330	1335	973
55°	942	952	972	989	987	843
65°	622	624	631	635	635	615
75°	315	311	313	305	304	335
85°	67	67	65	60	58	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2102.4	2102.4	2102.4	2102.4	2102.4
2.5°	2104.3	2100.5	2095.0	2102.4	2106.1
5°	2095.0	2093.1	2091.2	2098.7	2102.4
7.5°	2078.2	2080.1	2078.2	2089.4	2093.1
10°	2057.7	2059.6	2061.4	2074.5	2078.2
12.5°	2031.6	2033.5	2039.1	2055.8	2061.4
15°	1996.3	2001.8	2011.2	2031.6	2039.1
17.5°	1959.0	1966.5	1979.5	2003.7	2011.2
20°	1914.3	1923.6	1942.3	1968.3	1977.6
22.5°	1864.0	1873.4	1899.4	1927.4	1936.7
25°	1813.8	1824.9	1851.0	1882.7	1892.0
27.5°	1754.2	1769.1	1797.0	1828.7	1836.1
30°	1692.7	1705.8	1739.3	1769.1	1782.1
32.5°	1631.3	1644.3	1676.0	1705.8	1715.1
35°	1558.6	1577.3	1608.9	1636.9	1646.2
37.5°	1487.9	1504.6	1538.2	1566.1	1575.4
40°	1413.4	1428.3	1463.7	1489.7	1497.2
42.5°	1338.9	1353.8	1389.2	1409.7	1417.1
45°	1260.7	1277.5	1307.2	1329.6	1335.2
47.5°	1182.5	1195.5	1223.5	1243.9	1251.4
50°	1102.4	1115.4	1143.4	1160.1	1163.9
52.5°	1022.3	1031.6	1057.7	1072.6	1078.2
55°	942.3	951.6	972.1	988.8	987.0
57.5°	865.9	869.6	890.1	901.3	901.3
60°	780.3	784.0	800.7	808.2	810.0
62.5°	700.2	705.8	718.8	720.7	720.7
65°	622.0	623.8	631.3	635.0	635.0
67.5°	543.8	541.9	549.3	549.3	547.5
70°	461.8	465.5	467.4	463.7	461.8
72.5°	387.3	385.5	385.5	383.6	383.6
75°	314.7	311.0	312.8	305.4	303.5
77.5°	247.7	242.1	240.2	236.5	232.8
80°	178.8	178.8	176.9	173.2	171.3
82.5°	119.2	119.2	117.3	113.6	109.9
85°	67.0	67.0	65.2	59.6	57.7
87.5°	22.3	22.3	22.3	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)