

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: P296832

Luminaire Tested: **D3X-WD-74L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296832
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-74L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6588.0 lumens
Efficiency: N/A
Efficacy: 120.4 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

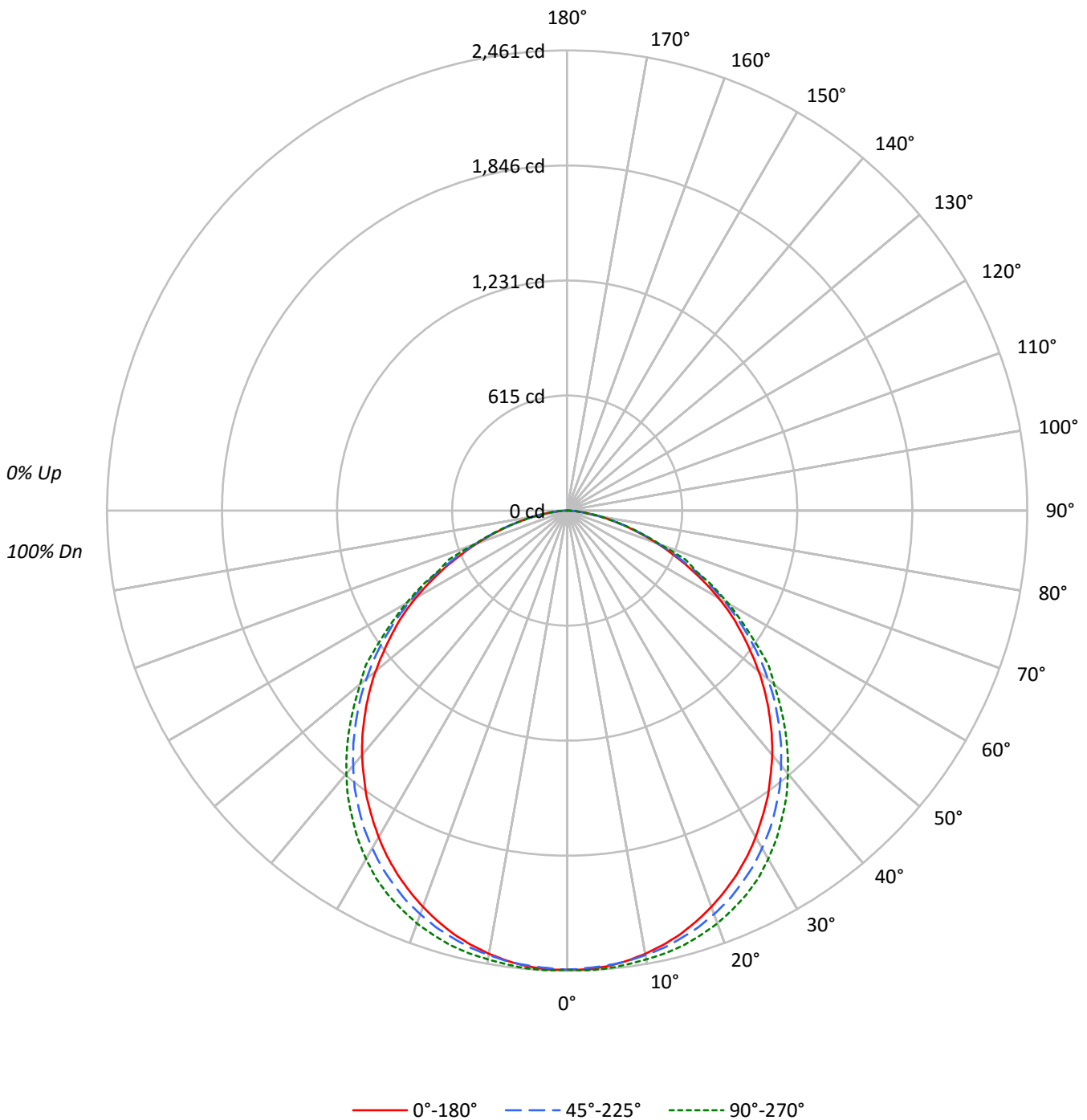
Input Watts (W): 54.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3305	3305	3305
5°	3304	3298	3320
10°	3288	3297	3330
15°	3266	3296	3352
20°	3229	3290	3364
25°	3186	3271	3365
30°	3133	3239	3342
35°	3071	3191	3292
40°	2997	3126	3226
45°	2906	3040	3135
50°	2801	2934	3023
55°	2673	2795	2878
60°	2519	2614	2678
65°	2288	2363	2408
70°	2009	2055	2083
75°	1696	1720	1733
80°	1355	1374	1337
85°	912	949	912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	3.5
10°-20°	669.3	10.2
20°-30°	1015.6	15.4
30°-40°	1212.5	18.4
40°-50°	1227.5	18.6
50°-60°	1061.0	16.1
60°-70°	735.4	11.2
70°-80°	355.8	5.4
80°-90°	78.2	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°	1917.6	29.1
0°-40°	3130.1	47.5
0°-60°	5418.6	82.2
0°-90°	6588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2456	2456	2456	2456	2456	
5°	2446	2444	2442	2454	2458	232
15°	2345	2350	2366	2394	2406	661
25°	2146	2160	2203	2248	2267	988
35°	1870	1886	1943	1993	2004	1168
45°	1527	1548	1598	1638	1648	1178
55°	1139	1151	1191	1241	1227	1018
65°	719	726	742	754	756	711
75°	326	329	331	329	333	350
85°	59	64	62	59	59	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2456.0	2456.0	2456.0	2456.0	2456.0
2.5°	2456.0	2453.6	2448.9	2456.0	2460.7
5°	2446.5	2444.1	2441.8	2453.6	2458.3
7.5°	2430.0	2430.0	2432.3	2444.1	2448.9
10°	2406.3	2408.7	2413.4	2432.3	2437.0
12.5°	2378.0	2382.7	2394.5	2415.8	2425.2
15°	2344.9	2349.6	2366.1	2394.5	2406.3
17.5°	2302.3	2311.8	2335.4	2368.5	2380.3
20°	2255.0	2266.9	2297.6	2335.4	2349.6
22.5°	2203.0	2214.9	2255.0	2295.2	2309.4
25°	2146.3	2160.5	2203.0	2247.9	2266.9
27.5°	2084.8	2101.4	2148.7	2195.9	2214.9
30°	2016.3	2035.2	2084.8	2134.5	2151.0
32.5°	1943.0	1961.9	2018.7	2065.9	2082.5
35°	1869.7	1886.3	1943.0	1992.7	2004.5
37.5°	1787.0	1805.9	1867.4	1909.9	1926.5
40°	1706.6	1725.6	1779.9	1822.5	1836.7
42.5°	1619.2	1638.1	1692.5	1732.6	1744.5
45°	1527.0	1548.3	1597.9	1638.1	1647.5
47.5°	1434.8	1451.4	1503.4	1538.8	1545.9
50°	1337.9	1354.4	1401.7	1437.2	1444.3
52.5°	1236.3	1262.3	1300.1	1326.1	1356.8
55°	1139.3	1151.2	1191.3	1241.0	1226.8
57.5°	1042.4	1049.5	1082.6	1103.9	1108.6
60°	936.1	945.5	971.5	983.3	995.1
62.5°	825.0	832.0	862.8	874.6	879.3
65°	718.6	725.7	742.2	754.0	756.4
67.5°	609.9	616.9	631.1	640.6	683.1
70°	510.6	515.3	522.4	541.3	529.5
72.5°	416.0	418.4	425.5	425.5	427.8
75°	326.2	328.6	330.9	328.6	333.3
77.5°	243.5	248.2	250.6	248.2	245.8
80°	174.9	179.6	177.3	172.6	172.6
82.5°	113.5	115.8	113.5	111.1	111.1
85°	59.1	63.8	61.5	59.1	59.1
87.5°	21.3	23.6	26.0	28.4	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)