

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: P298427

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-20L92765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1904.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

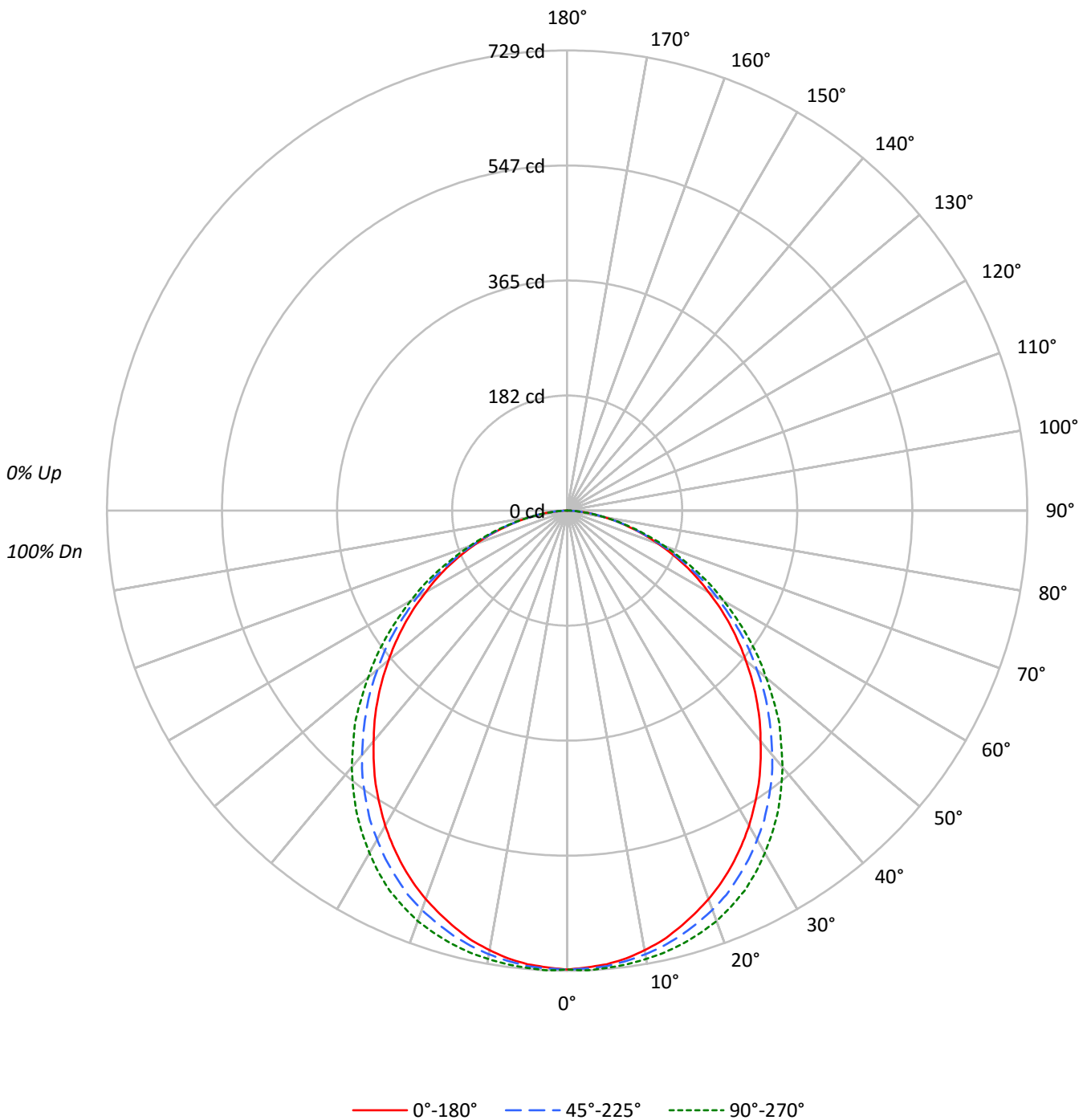
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1957	1957	1957
5°	1949	1957	1964
10°	1932	1950	1971
15°	1907	1941	1978
20°	1876	1928	1982
25°	1838	1903	1973
30°	1791	1871	1947
35°	1738	1828	1912
40°	1675	1775	1865
45°	1616	1714	1808
50°	1548	1643	1722
55°	1476	1566	1641
60°	1393	1475	1541
65°	1316	1364	1431
70°	1209	1245	1290
75°	1074	1104	1133
80°	925	911	911
85°	704	645	587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	3.6
10°-20°	196.6	10.3
20°-30°	295.2	15.5
30°-40°	347.4	18.2
40°-50°	346.5	18.2
50°-60°	297.4	15.6
60°-70°	213.0	11.2
70°-80°	112.8	5.9
80°-90°	26.4	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°	560.6	29.4
0°-40°	908.0	47.7
0°-60°	1551.9	81.5
0°-90°	1904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	727	727	727	727	727	
5°	721	721	724	726	727	68
15°	684	687	697	706	710	193
25°	619	625	641	657	665	285
35°	529	536	556	575	582	330
45°	425	431	450	466	475	327
55°	315	320	334	345	350	281
65°	207	208	214	223	225	204
75°	103	103	106	108	109	111
85°	23	22	21	19	19	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	727.1	727.1	727.1	727.1	727.1
2.5°	724.3	724.3	726.2	728.1	729.0
5°	721.4	721.4	724.3	726.2	727.1
7.5°	715.7	715.7	719.5	723.3	725.2
10°	707.2	709.1	713.8	719.5	721.4
12.5°	697.7	699.6	706.3	713.8	716.7
15°	684.5	687.3	696.8	706.3	710.1
17.5°	670.2	674.0	685.4	696.8	701.5
20°	655.1	658.9	673.1	686.4	692.0
22.5°	638.0	642.7	658.9	673.1	678.8
25°	619.0	624.7	640.9	657.0	664.6
27.5°	598.2	604.8	622.8	639.9	646.5
30°	576.4	584.0	602.0	620.0	626.6
32.5°	552.7	559.3	581.1	598.2	604.8
35°	529.0	535.6	556.5	575.4	582.1
37.5°	503.4	511.9	532.8	549.8	556.5
40°	476.8	485.4	505.3	525.2	530.9
42.5°	451.3	458.8	477.8	495.8	501.5
45°	424.7	431.3	450.3	466.4	475.0
47.5°	397.2	403.9	422.8	438.0	442.7
50°	369.7	376.4	392.5	405.7	411.4
52.5°	342.2	348.9	364.0	376.4	382.0
55°	314.7	319.5	333.7	345.1	349.8
57.5°	287.2	291.0	302.4	314.7	317.6
60°	258.8	263.5	274.0	282.5	286.3
62.5°	233.2	235.1	244.6	252.2	256.9
65°	206.7	207.6	214.2	222.8	224.7
67.5°	179.2	180.1	186.8	191.5	193.4
70°	153.6	153.6	158.3	162.1	164.0
72.5°	128.9	128.0	130.8	134.6	136.5
75°	103.3	103.3	106.2	108.1	109.0
77.5°	81.5	79.6	81.5	83.4	83.4
80°	59.7	58.8	58.8	59.7	58.8
82.5°	40.8	39.8	40.8	38.9	37.9
85°	22.8	21.8	20.9	19.0	19.0
87.5°	7.6	6.6	6.6	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)