

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: P298429

Luminaire Tested: **D3X-WO-25L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298429
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-25L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 107.4 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

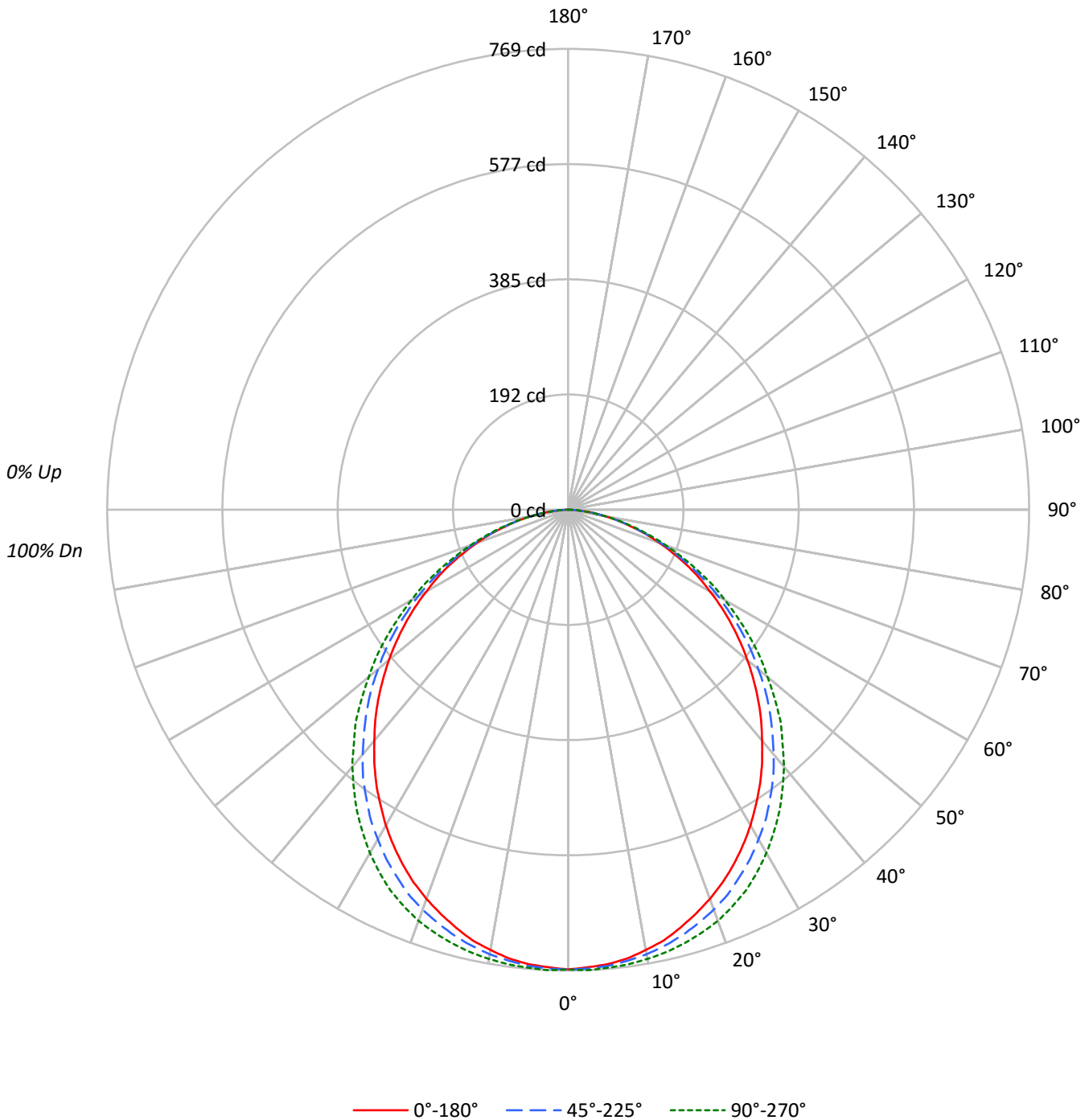
Input Watts (W): 18.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2065	2065	2065
5°	2056	2064	2072
10°	2039	2058	2080
15°	2012	2048	2087
20°	1979	2034	2091
25°	1939	2008	2082
30°	1890	1974	2055
35°	1834	1929	2018
40°	1767	1873	1968
45°	1705	1808	1907
50°	1633	1734	1817
55°	1558	1652	1732
60°	1470	1556	1626
65°	1389	1440	1510
70°	1275	1314	1361
75°	1133	1164	1196
80°	976	961	961
85°	741	679	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	3.6
10°-20°	207.4	10.3
20°-30°	311.5	15.5
30°-40°	366.6	18.2
40°-50°	365.6	18.2
50°-60°	313.8	15.6
60°-70°	224.7	11.2
70°-80°	119.0	5.9
80°-90°	27.8	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°	591.5	29.4
0°-40°	958.1	47.7
0°-60°	1637.5	81.5
0°-90°	2009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	767	767	767	767	767	
5°	761	761	764	766	767	72
15°	722	725	735	745	749	204
25°	653	659	676	693	701	301
35°	558	565	587	607	614	349
45°	448	455	475	492	501	345
55°	332	337	352	364	369	297
65°	218	219	226	235	237	215
75°	109	109	112	114	115	117
85°	24	23	22	20	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767.2	767.2	767.2	767.2	767.2
2.5°	764.2	764.2	766.2	768.2	769.2
5°	761.2	761.2	764.2	766.2	767.2
7.5°	755.2	755.2	759.2	763.2	765.2
10°	746.2	748.2	753.2	759.2	761.2
12.5°	736.2	738.2	745.2	753.2	756.2
15°	722.2	725.2	735.2	745.2	749.2
17.5°	707.2	711.2	723.2	735.2	740.2
20°	691.2	695.2	710.2	724.2	730.2
22.5°	673.2	678.2	695.2	710.2	716.2
25°	653.2	659.2	676.2	693.2	701.2
27.5°	631.2	638.2	657.2	675.2	682.2
30°	608.2	616.2	635.2	654.2	661.2
32.5°	583.2	590.2	613.2	631.2	638.2
35°	558.2	565.2	587.2	607.2	614.2
37.5°	531.2	540.2	562.2	580.2	587.2
40°	503.1	512.1	533.2	554.2	560.2
42.5°	476.1	484.1	504.1	523.1	529.2
45°	448.1	455.1	475.1	492.1	501.1
47.5°	419.1	426.1	446.1	462.1	467.1
50°	390.1	397.1	414.1	428.1	434.1
52.5°	361.1	368.1	384.1	397.1	403.1
55°	332.1	337.1	352.1	364.1	369.1
57.5°	303.1	307.1	319.1	332.1	335.1
60°	273.1	278.1	289.1	298.1	302.1
62.5°	246.1	248.1	258.1	266.1	271.1
65°	218.1	219.1	226.1	235.1	237.1
67.5°	189.1	190.1	197.1	202.1	204.1
70°	162.0	162.0	167.0	171.0	173.0
72.5°	136.0	135.0	138.0	142.0	144.0
75°	109.0	109.0	112.0	114.0	115.0
77.5°	86.0	84.0	86.0	88.0	88.0
80°	63.0	62.0	62.0	63.0	62.0
82.5°	43.0	42.0	43.0	41.0	40.0
85°	24.0	23.0	22.0	20.0	20.0
87.5°	8.0	7.0	7.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)