

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: P298404

Luminaire Tested: **D3X-WO-35L93050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298404
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-35L93050-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: 2754.0 lumens
Efficiency: N/A
Efficacy: 96.3 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

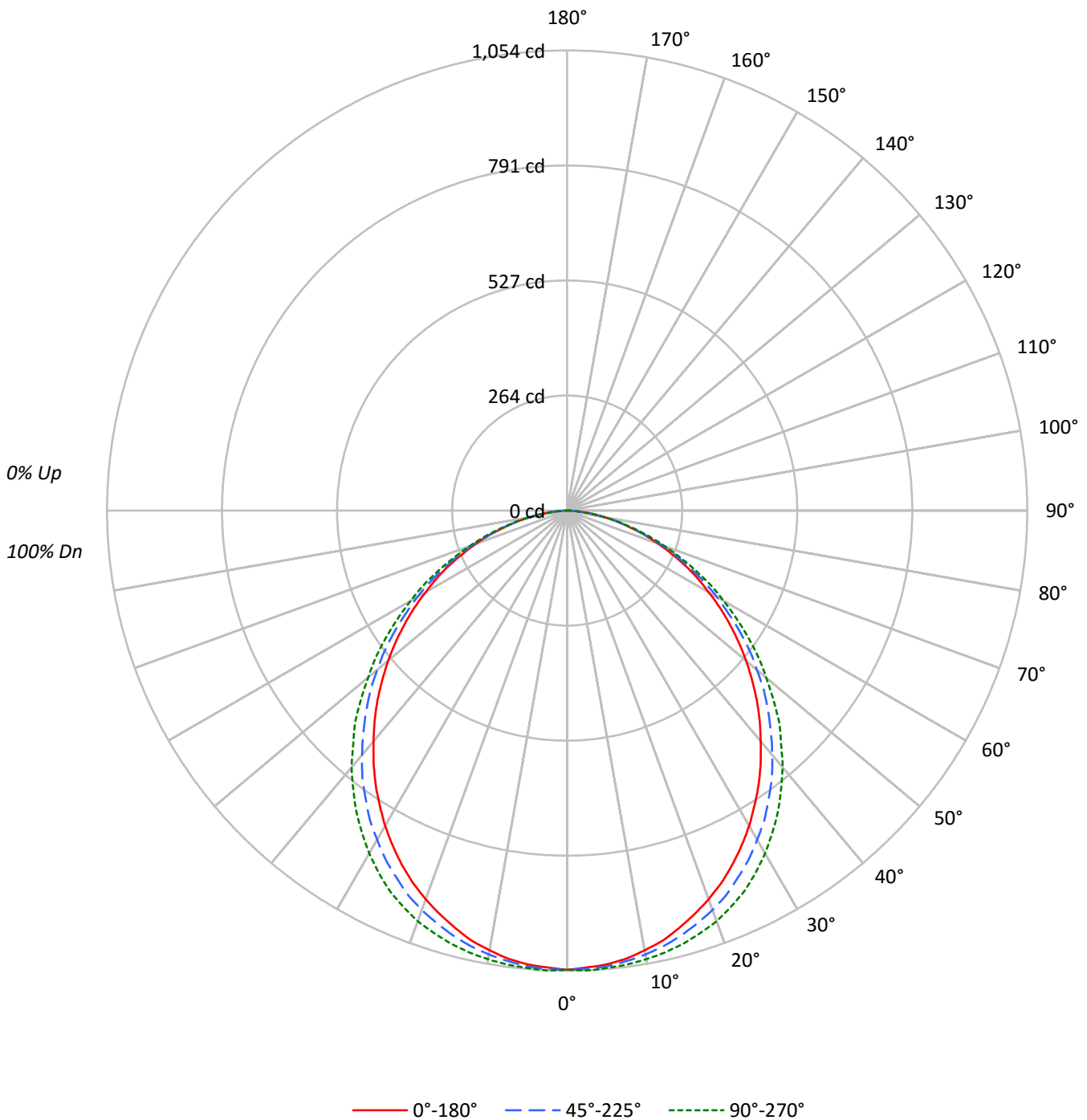
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	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	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2830	2830	2830
5°	2819	2830	2841
10°	2795	2821	2851
15°	2758	2808	2861
20°	2713	2788	2867
25°	2659	2752	2854
30°	2591	2706	2816
35°	2513	2644	2766
40°	2423	2568	2697
45°	2338	2479	2614
50°	2239	2377	2491
55°	2136	2265	2374
60°	2014	2133	2229
65°	1903	1973	2069
70°	1747	1802	1866
75°	1554	1597	1640
80°	1339	1317	1317
85°	1016	932	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	3.6
10°-20°	284.4	10.3
20°-30°	427.0	15.5
30°-40°	502.5	18.2
40°-50°	501.2	18.2
50°-60°	430.1	15.6
60°-70°	308.0	11.2
70°-80°	163.1	5.9
80°-90°	38.1	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°	810.8	29.4
0°-40°	1313.3	47.7
0°-60°	2244.7	81.5
0°-90°	2754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1044	1044	1048	1050	1052	99
15°	990	994	1008	1022	1027	279
25°	895	904	927	950	961	412
35°	765	775	805	832	842	478
45°	614	624	651	675	687	473
55°	455	462	483	499	506	407
65°	299	300	310	322	325	295
75°	150	150	154	156	158	160
85°	33	32	30	27	27	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1051.7	1051.7	1051.7	1051.7	1051.7
2.5°	1047.6	1047.6	1050.4	1053.1	1054.5
5°	1043.5	1043.5	1047.6	1050.4	1051.7
7.5°	1035.3	1035.3	1040.8	1046.2	1049.0
10°	1022.9	1025.7	1032.5	1040.8	1043.5
12.5°	1009.2	1012.0	1021.6	1032.5	1036.6
15°	990.0	994.1	1007.8	1021.6	1027.0
17.5°	969.5	974.9	991.4	1007.8	1014.7
20°	947.5	953.0	973.6	992.8	1001.0
22.5°	922.8	929.7	953.0	973.6	981.8
25°	895.4	903.6	926.9	950.3	961.2
27.5°	865.2	874.8	900.9	925.6	935.2
30°	833.7	844.7	870.7	896.8	906.4
32.5°	799.4	809.0	840.6	865.2	874.8
35°	765.1	774.7	804.9	832.3	841.9
37.5°	728.1	740.5	770.6	795.3	804.9
40°	689.7	702.1	730.9	759.7	767.9
42.5°	652.7	663.7	691.1	717.1	725.4
45°	614.3	623.9	651.3	674.6	687.0
47.5°	574.5	584.1	611.6	633.5	640.4
50°	534.8	544.4	567.7	586.9	595.1
52.5°	495.0	504.6	526.5	544.4	552.6
55°	455.2	462.1	482.7	499.1	506.0
57.5°	415.5	421.0	437.4	455.2	459.4
60°	374.3	381.2	396.3	408.6	414.1
62.5°	337.3	340.1	353.8	364.7	371.6
65°	298.9	300.3	309.9	322.2	325.0
67.5°	259.2	260.5	270.1	277.0	279.7
70°	222.1	222.1	229.0	234.5	237.2
72.5°	186.5	185.1	189.2	194.7	197.5
75°	149.5	149.5	153.6	156.3	157.7
77.5°	117.9	115.2	117.9	120.7	120.7
80°	86.4	85.0	85.0	86.4	85.0
82.5°	59.0	57.6	59.0	56.2	54.8
85°	32.9	31.5	30.2	27.4	27.4
87.5°	11.0	9.6	9.6	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)