

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: P298068

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L93050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2548.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

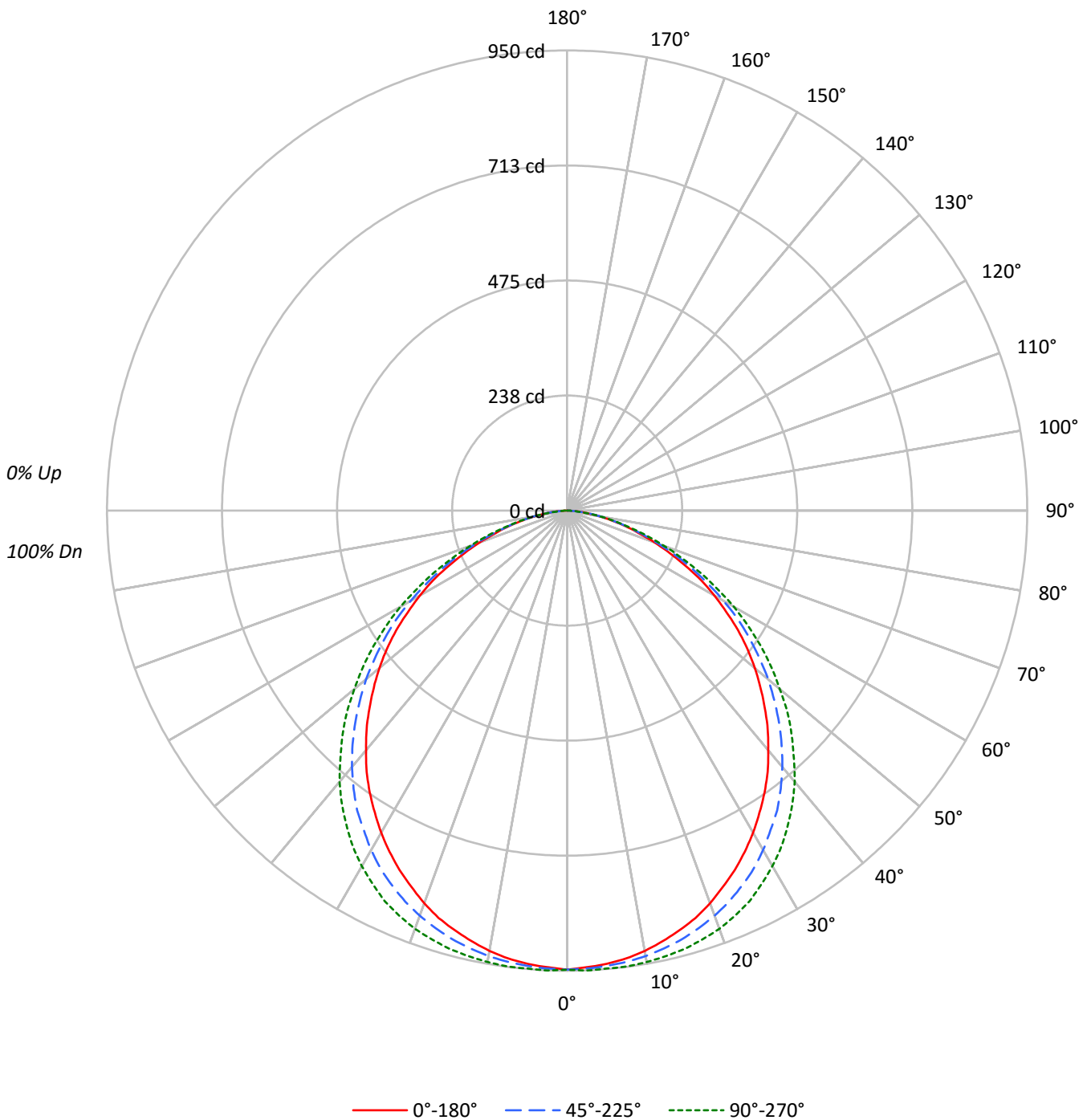
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	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°	2550	2550	2550
5°	2538	2549	2564
10°	2522	2552	2586
15°	2499	2552	2610
20°	2470	2549	2631
25°	2431	2537	2643
30°	2386	2514	2634
35°	2334	2483	2609
40°	2269	2428	2568
45°	2197	2354	2495
50°	2119	2268	2400
55°	2021	2156	2291
60°	1890	2007	2140
65°	1712	1817	1930
70°	1511	1586	1673
75°	1298	1326	1383
80°	1041	1063	1083
85°	763	676	676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.5
10°-20°	258.7	10.2
20°-30°	393.5	15.4
30°-40°	470.8	18.5
40°-50°	475.9	18.7
50°-60°	409.6	16.1
60°-70°	282.8	11.1
70°-80°	137.1	5.4
80°-90°	29.7	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°	742.0	29.1
0°-40°	1212.8	47.6
0°-60°	2098.4	82.4
0°-90°	2548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	940	941	944	948	949	89
15°	897	902	916	930	937	253
25°	819	828	854	880	890	377
35°	710	723	756	783	794	444
45°	577	588	618	645	656	445
55°	431	438	460	480	488	384
65°	269	273	285	298	303	267
75°	125	122	128	132	133	132
85°	25	25	22	22	22	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.7	947.7	947.7	947.7	947.7
2.5°	943.6	943.6	946.3	949.1	950.4
5°	939.5	940.8	943.6	947.7	949.1
7.5°	932.6	934.0	939.5	946.3	949.1
10°	923.0	925.8	934.0	942.2	946.3
12.5°	910.7	916.2	925.8	936.7	942.2
15°	897.0	902.4	916.2	929.9	936.7
17.5°	881.9	887.4	903.8	921.6	928.5
20°	862.7	870.9	890.1	910.7	918.9
22.5°	840.7	851.7	873.6	895.6	905.2
25°	818.8	828.4	854.4	880.5	890.1
27.5°	794.1	805.1	833.9	859.9	869.5
30°	768.0	779.0	809.2	838.0	847.6
32.5°	739.2	753.0	781.8	811.9	822.9
35°	710.4	722.8	755.7	783.1	794.1
37.5°	680.3	691.2	724.2	753.0	763.9
40°	646.0	658.3	691.2	720.0	731.0
42.5°	613.1	625.4	655.6	683.0	692.6
45°	577.4	588.4	618.5	644.6	655.6
47.5°	541.7	554.1	580.1	606.2	617.2
50°	506.1	515.7	541.7	566.4	573.3
52.5°	469.1	477.3	500.6	522.5	532.1
55°	430.7	437.5	459.5	480.0	488.3
57.5°	389.5	397.7	418.3	433.4	443.0
60°	351.1	355.2	373.0	388.1	397.7
62.5°	312.7	314.1	327.8	342.9	348.4
65°	268.8	272.9	285.3	297.6	303.1
67.5°	229.0	233.2	242.8	252.4	256.5
70°	192.0	192.0	201.6	208.5	212.6
72.5°	155.0	156.4	163.2	167.3	171.4
75°	124.8	122.1	127.5	131.7	133.0
77.5°	93.3	91.9	96.0	97.4	100.1
80°	67.2	67.2	68.6	69.9	69.9
82.5°	43.9	43.9	45.3	42.5	41.1
85°	24.7	24.7	21.9	21.9	21.9
87.5°	8.2	8.2	8.2	9.6	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)