

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: P298116

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298116
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-35L92765-LD5-UNV-22-T1-W2A-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3075.0 lumens
Efficiency: N/A
Efficacy: 107.5 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

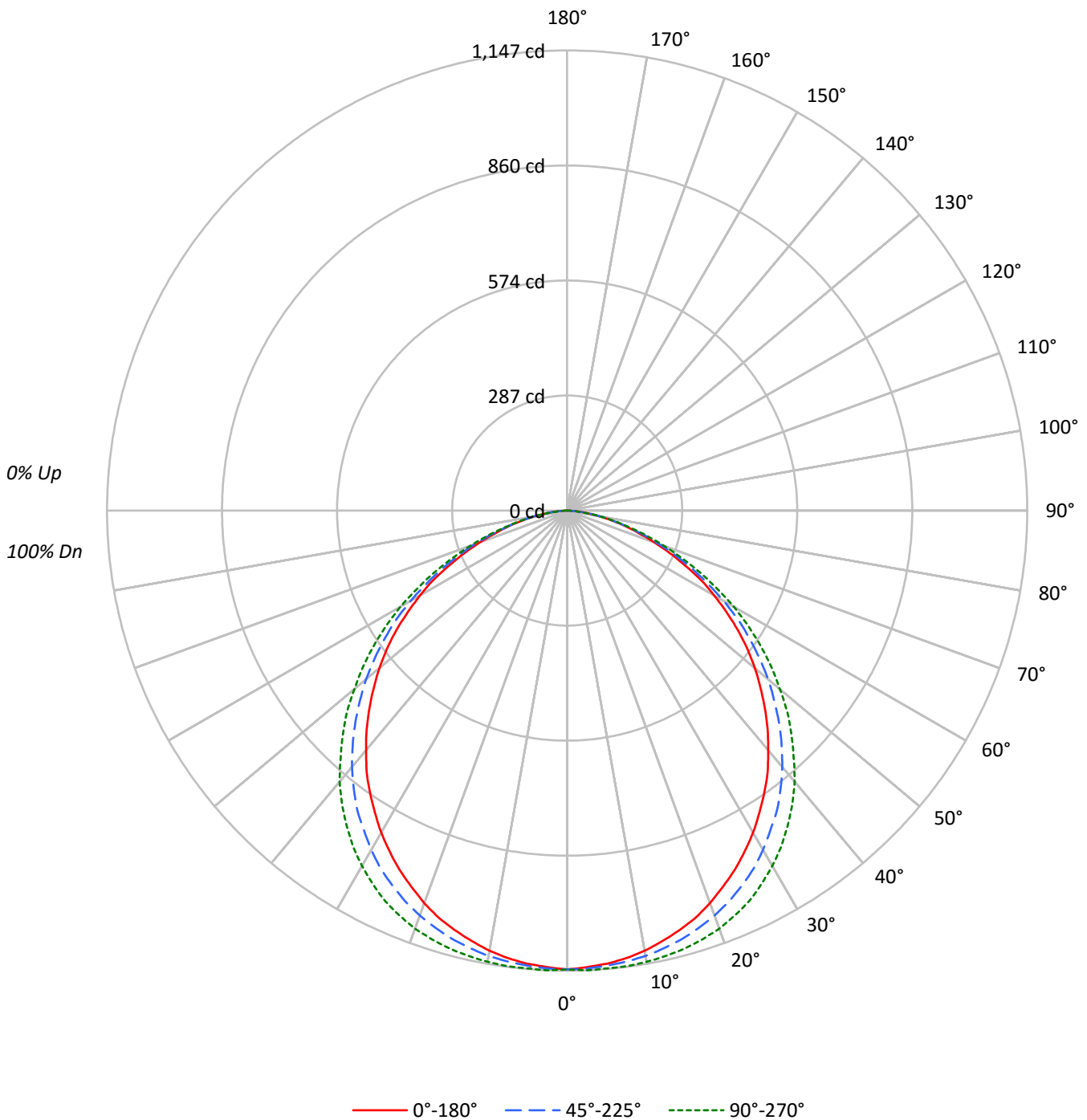
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	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°	3078	3078	3078
5°	3063	3076	3094
10°	3044	3080	3121
15°	3016	3080	3149
20°	2981	3076	3176
25°	2934	3062	3189
30°	2880	3034	3178
35°	2817	2996	3148
40°	2739	2930	3099
45°	2652	2841	3011
50°	2557	2737	2897
55°	2438	2601	2764
60°	2280	2423	2583
65°	2066	2192	2329
70°	1823	1914	2019
75°	1566	1600	1670
80°	1257	1283	1308
85°	920	818	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	3.5
10°-20°	312.2	10.2
20°-30°	474.9	15.4
30°-40°	568.2	18.5
40°-50°	574.4	18.7
50°-60°	494.3	16.1
60°-70°	341.3	11.1
70°-80°	165.5	5.4
80°-90°	35.9	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°	895.5	29.1
0°-40°	1463.7	47.6
0°-60°	2532.4	82.4
0°-90°	3075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1134	1135	1139	1144	1145	108
15°	1082	1089	1106	1122	1130	305
25°	988	1000	1031	1063	1074	455
35°	857	872	912	945	958	536
45°	697	710	746	778	791	538
55°	520	528	554	579	589	463
65°	324	329	344	359	366	323
75°	151	147	154	159	161	160
85°	30	30	26	26	26	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1138.8	1138.8	1142.1	1145.4	1147.0
5°	1133.8	1135.4	1138.8	1143.7	1145.4
7.5°	1125.5	1127.2	1133.8	1142.1	1145.4
10°	1113.9	1117.2	1127.2	1137.1	1142.1
12.5°	1099.0	1105.7	1117.2	1130.5	1137.1
15°	1082.5	1089.1	1105.7	1122.2	1130.5
17.5°	1064.3	1070.9	1090.8	1112.3	1120.5
20°	1041.1	1051.0	1074.2	1099.0	1109.0
22.5°	1014.6	1027.9	1054.3	1080.8	1092.4
25°	988.1	999.7	1031.2	1062.6	1074.2
27.5°	958.3	971.6	1006.3	1037.8	1049.4
30°	926.9	940.1	976.5	1011.3	1022.9
32.5°	892.1	908.7	943.4	979.9	993.1
35°	857.4	872.3	912.0	945.1	958.3
37.5°	821.0	834.2	873.9	908.7	921.9
40°	779.6	794.5	834.2	869.0	882.2
42.5°	739.9	754.8	791.2	824.3	835.9
45°	696.8	710.1	746.5	777.9	791.2
47.5°	653.8	668.7	700.1	731.6	744.8
50°	610.8	622.3	653.8	683.6	691.9
52.5°	566.1	576.0	604.1	630.6	642.2
55°	519.7	528.0	554.5	579.3	589.2
57.5°	470.1	480.0	504.8	523.0	534.6
60°	423.7	428.7	450.2	468.4	480.0
62.5°	377.4	379.0	395.6	413.8	420.4
65°	324.4	329.4	344.3	359.2	365.8
67.5°	276.4	281.4	293.0	304.6	309.5
70°	231.7	231.7	243.3	251.6	256.6
72.5°	187.0	188.7	197.0	201.9	206.9
75°	150.6	147.3	153.9	158.9	160.6
77.5°	112.6	110.9	115.9	117.5	120.8
80°	81.1	81.1	82.8	84.4	84.4
82.5°	53.0	53.0	54.6	51.3	49.7
85°	29.8	29.8	26.5	26.5	26.5
87.5°	9.9	9.9	9.9	11.6	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)