

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: P298131

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298131
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-44L92765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3584.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

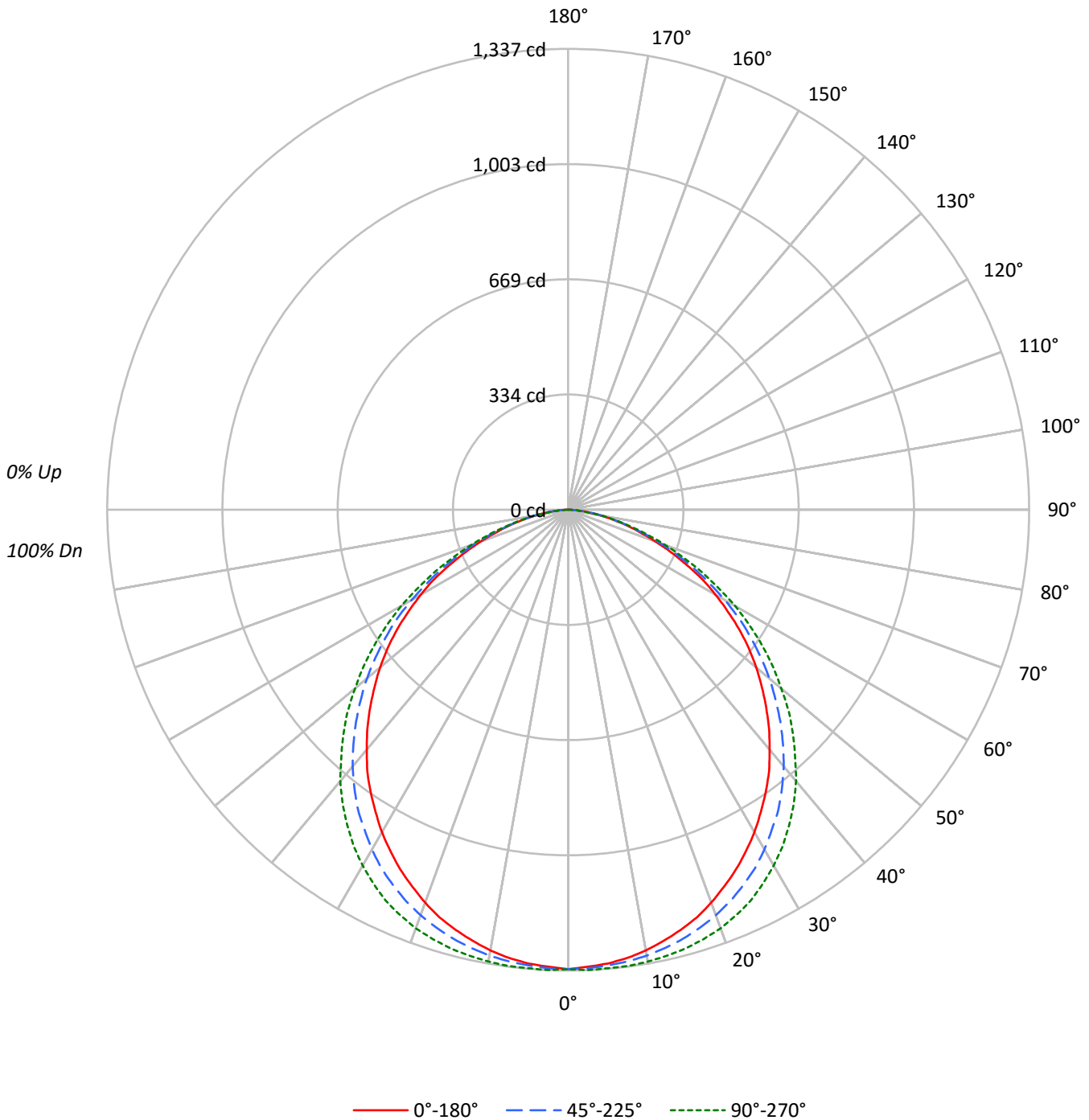
Input Watts (W): 36
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3587	3587	3587
5°	3570	3585	3606
10°	3548	3590	3637
15°	3515	3590	3671
20°	3475	3585	3701
25°	3420	3569	3717
30°	3357	3537	3704
35°	3283	3492	3669
40°	3192	3416	3612
45°	3091	3311	3509
50°	2980	3190	3376
55°	2842	3032	3222
60°	2658	2824	3011
65°	2408	2555	2714
70°	2125	2231	2353
75°	1826	1865	1945
80°	1464	1495	1525
85°	1071	954	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	3.5
10°-20°	363.9	10.2
20°-30°	553.5	15.4
30°-40°	662.2	18.5
40°-50°	669.5	18.7
50°-60°	576.1	16.1
60°-70°	397.8	11.1
70°-80°	192.9	5.4
80°-90°	41.8	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°	1043.7	29.1
0°-40°	1706.0	47.6
0°-60°	2951.5	82.4
0°-90°	3584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1322	1323	1327	1333	1335	125
15°	1262	1269	1289	1308	1318	356
25°	1152	1165	1202	1238	1252	530
35°	999	1017	1063	1102	1117	625
45°	812	828	870	907	922	627
55°	606	615	646	675	687	540
65°	378	384	401	419	426	376
75°	176	172	179	185	187	186
85°	35	35	31	31	31	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1327.2	1327.2	1331.1	1335.0	1336.9
5°	1321.5	1323.4	1327.2	1333.0	1335.0
7.5°	1311.8	1313.7	1321.5	1331.1	1335.0
10°	1298.3	1302.2	1313.7	1325.3	1331.1
12.5°	1281.0	1288.7	1302.2	1317.6	1325.3
15°	1261.7	1269.4	1288.7	1308.0	1317.6
17.5°	1240.4	1248.2	1271.3	1296.4	1306.0
20°	1213.4	1225.0	1252.0	1281.0	1292.5
22.5°	1182.6	1198.0	1228.9	1259.7	1273.2
25°	1151.7	1165.2	1201.9	1238.5	1252.0
27.5°	1117.0	1132.4	1172.9	1209.6	1223.1
30°	1080.3	1095.8	1138.2	1178.7	1192.2
32.5°	1039.8	1059.1	1099.6	1142.1	1157.5
35°	999.3	1016.7	1063.0	1101.5	1117.0
37.5°	956.9	972.3	1018.6	1059.1	1074.5
40°	908.6	926.0	972.3	1012.8	1028.2
42.5°	862.3	879.7	922.1	960.7	974.2
45°	812.2	827.6	870.0	906.7	922.1
47.5°	762.0	779.4	816.0	852.7	868.1
50°	711.9	725.4	762.0	796.7	806.4
52.5°	659.8	671.3	704.1	735.0	748.5
55°	605.8	615.4	646.3	675.2	686.8
57.5°	547.9	559.5	588.4	609.6	623.1
60°	493.9	499.6	524.7	545.9	559.5
62.5°	439.8	441.8	461.1	482.3	490.0
65°	378.1	383.9	401.3	418.6	426.3
67.5°	322.2	328.0	341.5	355.0	360.7
70°	270.1	270.1	283.6	293.2	299.0
72.5°	218.0	219.9	229.6	235.4	241.1
75°	175.6	171.7	179.4	185.2	187.1
77.5°	131.2	129.3	135.0	137.0	140.8
80°	94.5	94.5	96.5	98.4	98.4
82.5°	61.7	61.7	63.7	59.8	57.9
85°	34.7	34.7	30.9	30.9	30.9
87.5°	11.6	11.6	11.6	13.5	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)