

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: P257545

Luminaire Tested: **D3X-WO-40L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-40L940-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3588.2 lumens
Efficiency: N/A
Efficacy: 100.8 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

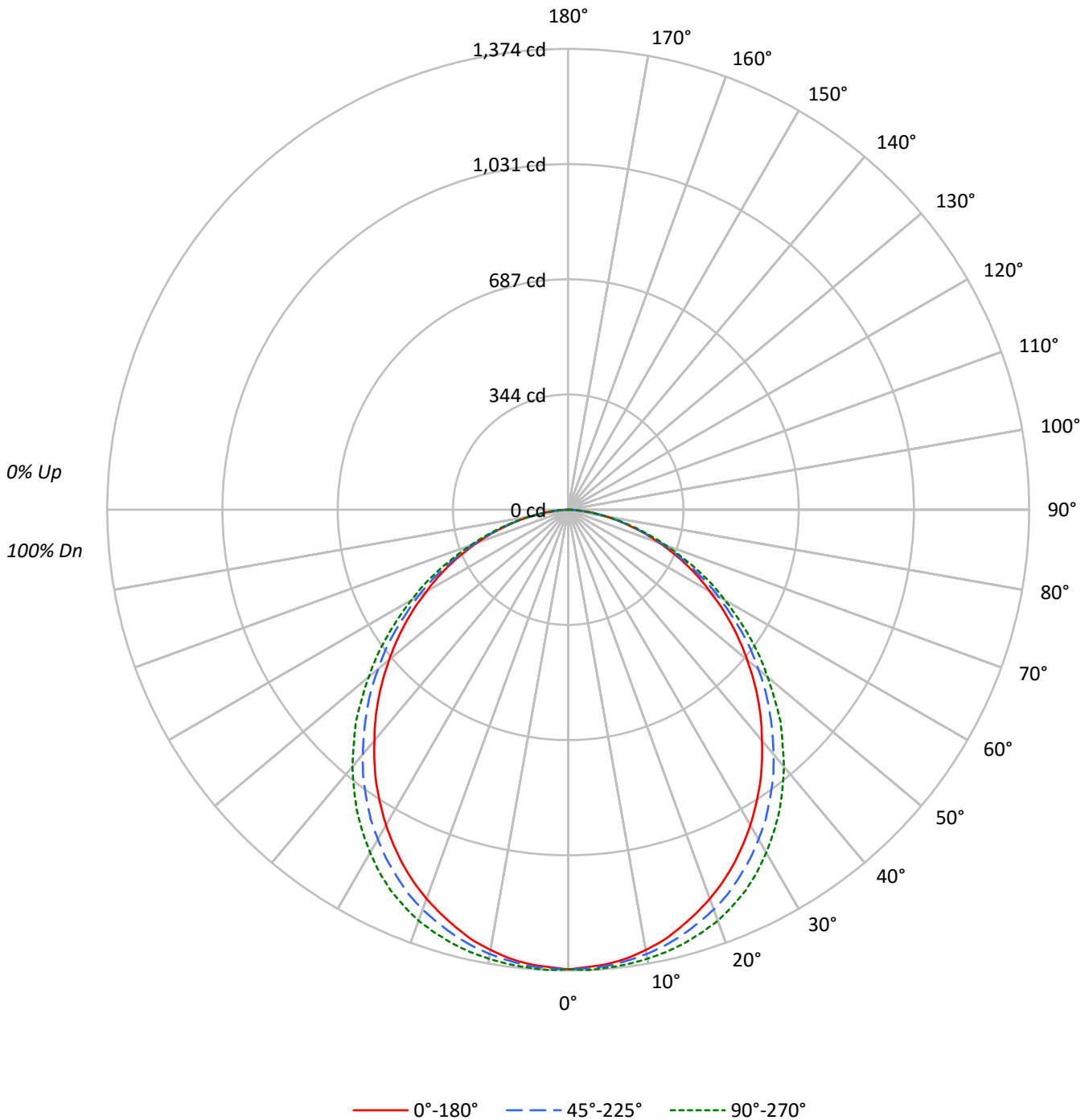
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3687	3687	3687
5°	3673	3687	3702
10°	3642	3676	3715
15°	3594	3658	3728
20°	3535	3633	3735
25°	3464	3586	3719
30°	3375	3525	3669
35°	3275	3445	3604
40°	3157	3345	3515
45°	3046	3229	3406
50°	2917	3096	3246
55°	2783	2951	3093
60°	2625	2779	2904
65°	2480	2571	2696
70°	2277	2348	2432
75°	2024	2080	2137
80°	1745	1717	1717
85°	1325	1213	1102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	3.6
10°-20°	370.5	10.3
20°-30°	556.3	15.5
30°-40°	654.7	18.2
40°-50°	653.0	18.2
50°-60°	560.4	15.6
60°-70°	401.4	11.2
70°-80°	212.6	5.9
80°-90°	49.7	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°	1056.4	29.4
0°-40°	1711.2	47.7
0°-60°	2924.6	81.5
0°-90°	3588.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3588.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1360	1360	1365	1368	1370	129
15°	1290	1295	1313	1331	1338	364
25°	1167	1177	1208	1238	1252	537
35°	997	1009	1049	1084	1097	623
45°	800	813	849	879	895	617
55°	593	602	629	650	659	530
65°	390	391	404	420	423	385
75°	195	195	200	204	206	209
85°	43	41	39	36	36	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1370.3	1370.3	1370.3	1370.3	1370.3
2.5°	1364.9	1364.9	1368.5	1372.1	1373.9
5°	1359.6	1359.6	1364.9	1368.5	1370.3
7.5°	1348.9	1348.9	1356.0	1363.2	1366.7
10°	1332.8	1336.4	1345.3	1356.0	1359.6
12.5°	1314.9	1318.5	1331.0	1345.3	1350.7
15°	1289.9	1295.3	1313.1	1331.0	1338.1
17.5°	1263.1	1270.3	1291.7	1313.1	1322.1
20°	1234.5	1241.7	1268.5	1293.5	1304.2
22.5°	1202.4	1211.3	1241.7	1268.5	1279.2
25°	1166.6	1177.4	1207.7	1238.1	1252.4
27.5°	1127.3	1139.8	1173.8	1205.9	1218.4
30°	1086.2	1100.5	1134.5	1168.4	1180.9
32.5°	1041.6	1054.1	1095.2	1127.3	1139.8
35°	996.9	1009.4	1048.7	1084.5	1097.0
37.5°	948.7	964.8	1004.1	1036.2	1048.7
40°	898.6	914.7	952.2	989.8	1000.5
42.5°	850.4	864.7	900.4	934.4	945.1
45°	800.4	812.9	848.6	879.0	895.1
47.5°	748.6	761.1	796.8	825.4	834.3
50°	696.8	709.3	739.6	764.7	775.4
52.5°	645.0	657.5	686.0	709.3	720.0
55°	593.1	602.1	628.9	650.3	659.2
57.5°	541.3	548.5	569.9	593.1	598.5
60°	487.7	496.7	516.3	532.4	539.5
62.5°	439.5	443.1	460.9	475.2	484.2
65°	389.5	391.3	403.8	419.8	423.4
67.5°	337.7	339.4	352.0	360.9	364.5
70°	289.4	289.4	298.4	305.5	309.1
72.5°	243.0	241.2	246.5	253.7	257.3
75°	194.7	194.7	200.1	203.7	205.5
77.5°	153.6	150.1	153.6	157.2	157.2
80°	112.6	110.8	110.8	112.6	110.8
82.5°	76.8	75.0	76.8	73.2	71.5
85°	42.9	41.1	39.3	35.7	35.7
87.5°	14.3	12.5	12.5	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)