

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: P257325

Luminaire Tested: **D3X-WD-35L840-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L840-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3525.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

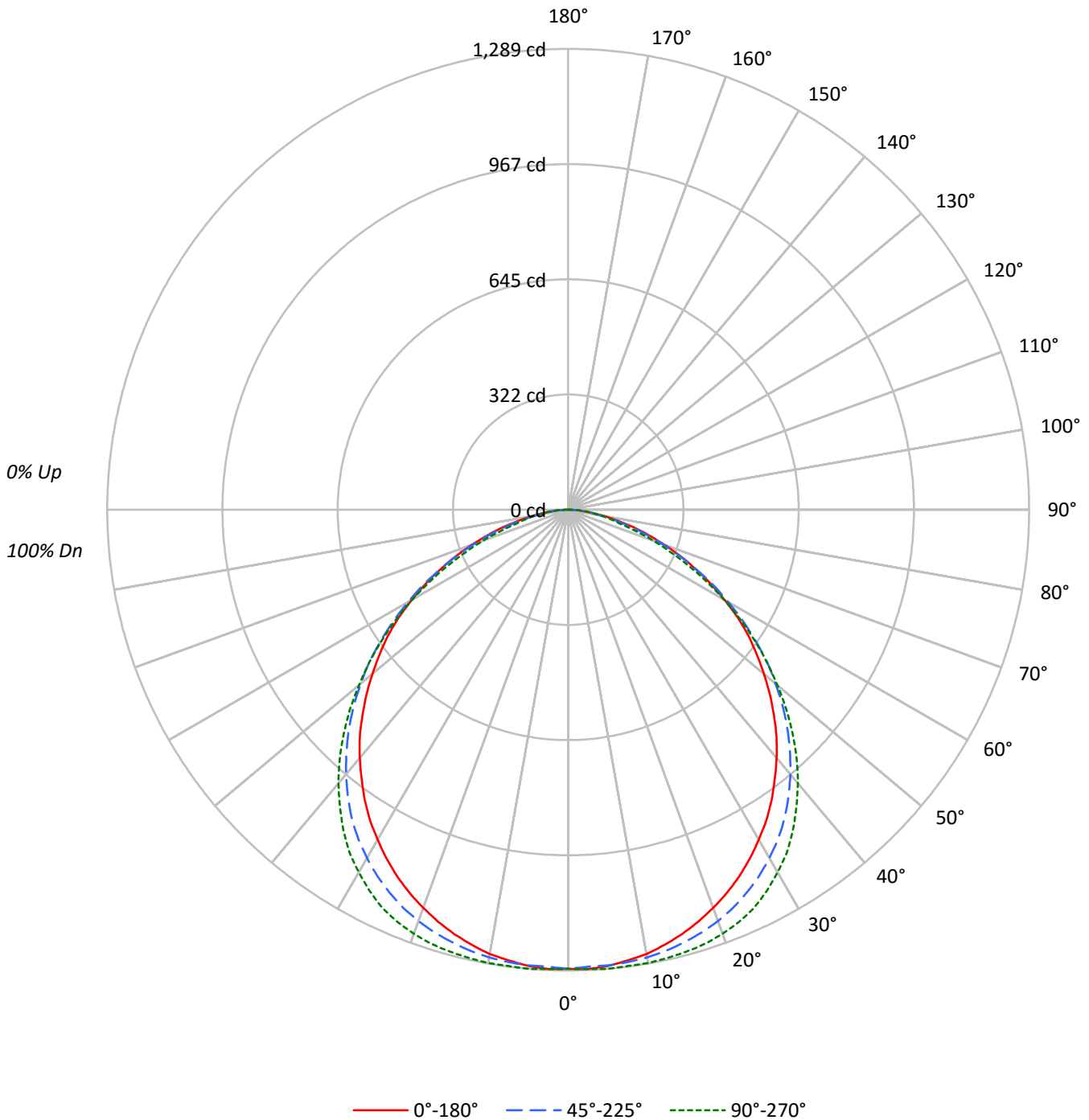
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	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	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3456	3456	3456
5°	3461	3456	3482
10°	3449	3475	3518
15°	3424	3490	3565
20°	3394	3506	3615
25°	3360	3509	3649
30°	3311	3497	3638
35°	3257	3464	3598
40°	3184	3394	3511
45°	3097	3300	3378
50°	2991	3169	3195
55°	2887	2998	2983
60°	2719	2778	2710
65°	2506	2515	2375
70°	2242	2192	1994
75°	1947	1816	1538
80°	1561	1415	1415
85°	1118	1312	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	3.5
10°-20°	354.5	10.1
20°-30°	544.3	15.4
30°-40°	655.6	18.6
40°-50°	662.5	18.8
50°-60°	565.1	16.0
60°-70°	386.8	11.0
70°-80°	186.7	5.3
80°-90°	48.1	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°	1021.0	29.0
0°-40°	1676.6	47.6
0°-60°	2904.1	82.4
0°-90°	3525.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3525.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1284	1284	1284	1284	1284	
5°	1281	1281	1280	1287	1289	122
15°	1229	1239	1253	1275	1280	347
25°	1132	1149	1182	1217	1229	521
35°	992	1014	1054	1088	1095	620
45°	814	836	867	888	888	627
55°	615	626	639	642	636	548
65°	394	398	395	381	373	390
75°	187	187	175	154	148	199
85°	36	39	42	44	44	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1284.2	1284.2	1284.2	1284.2	1284.2
2.5°	1285.8	1284.2	1279.5	1285.8	1285.8
5°	1281.1	1281.1	1279.5	1287.4	1289.0
7.5°	1271.6	1274.8	1276.4	1285.8	1287.4
10°	1262.2	1265.3	1271.6	1284.2	1287.4
12.5°	1246.5	1252.8	1263.8	1281.1	1284.2
15°	1229.1	1238.6	1252.8	1274.8	1279.5
17.5°	1208.7	1221.3	1240.2	1265.3	1273.2
20°	1185.1	1199.2	1224.4	1252.8	1262.2
22.5°	1159.9	1175.6	1205.5	1238.6	1248.0
25°	1131.6	1148.9	1181.9	1216.6	1229.1
27.5°	1100.1	1119.0	1155.2	1191.4	1202.4
30°	1065.5	1085.9	1125.3	1161.5	1170.9
32.5°	1030.8	1051.3	1092.2	1126.8	1137.9
35°	991.5	1013.5	1054.5	1087.5	1095.4
37.5°	949.0	971.0	1012.0	1045.0	1048.2
40°	906.5	928.5	966.3	996.2	999.4
42.5°	862.4	882.9	917.5	942.7	945.9
45°	813.7	835.7	867.2	887.6	887.6
47.5°	764.9	786.9	813.7	827.8	827.8
50°	714.5	735.0	757.0	764.9	763.3
52.5°	664.1	683.0	701.9	703.5	700.3
55°	615.4	626.4	639.0	642.1	635.8
57.5°	561.9	571.3	579.2	574.4	569.7
60°	505.2	514.6	516.2	508.3	503.6
62.5°	450.1	458.0	458.0	445.4	437.5
65°	393.5	398.2	395.0	380.9	373.0
67.5°	339.9	343.1	336.8	322.6	310.0
70°	284.9	286.4	278.6	261.3	253.4
72.5°	234.5	236.1	226.6	206.2	196.7
75°	187.3	187.3	174.7	154.2	147.9
77.5°	140.1	144.8	130.6	119.6	119.6
80°	100.7	105.4	91.3	92.9	91.3
82.5°	66.1	70.8	66.1	66.1	66.1
85°	36.2	39.3	42.5	44.1	44.1
87.5°	11.0	18.9	20.5	22.0	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)