

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: P302461

Luminaire Tested: **ZX-WO-35L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-35L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2927.3 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

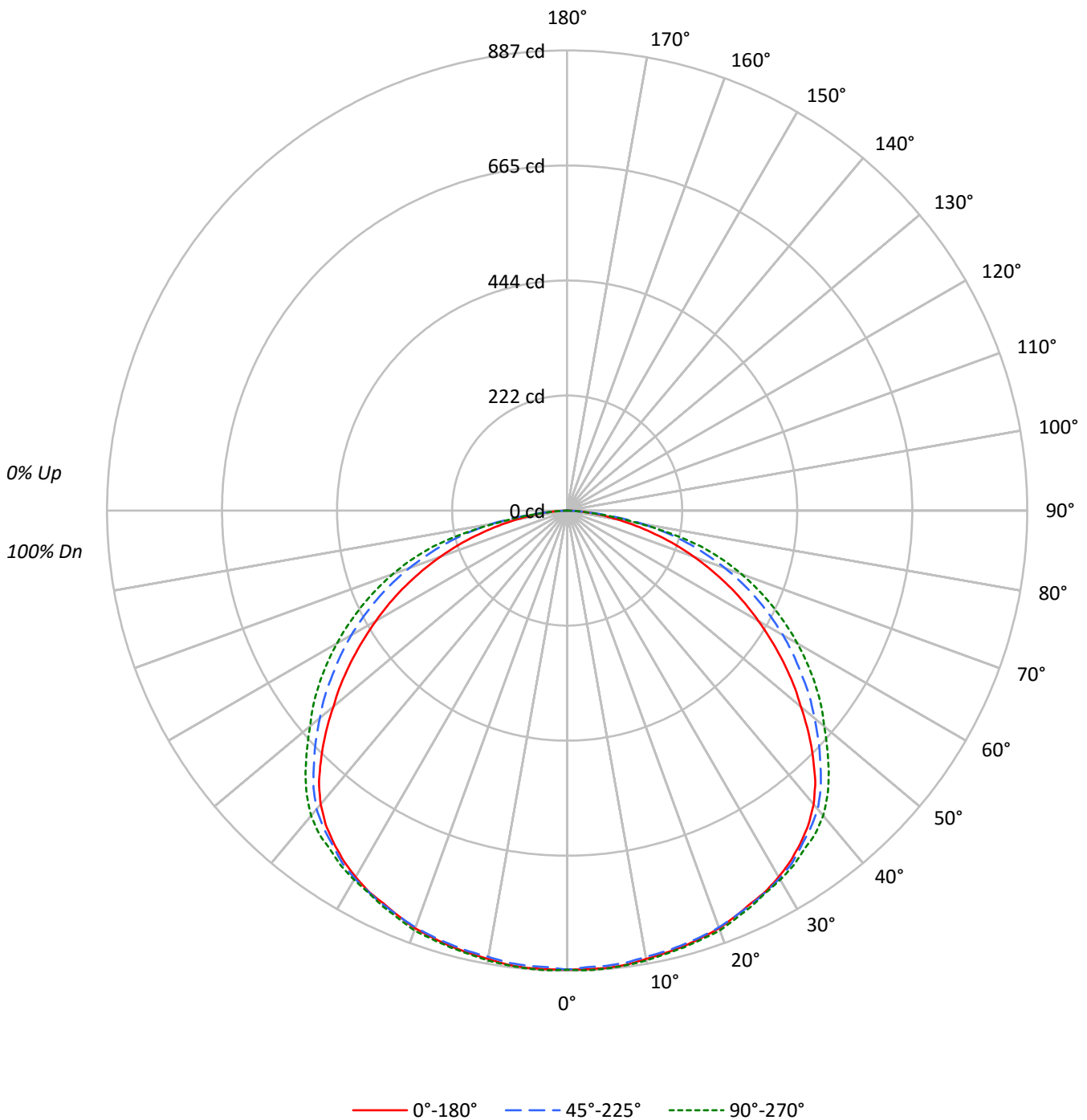
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1191	1191	1191
5°	1195	1189	1197
10°	1199	1193	1203
15°	1211	1207	1214
20°	1227	1224	1233
25°	1242	1245	1249
30°	1267	1272	1277
35°	1287	1294	1309
40°	1298	1320	1349
45°	1275	1314	1357
50°	1231	1303	1355
55°	1193	1295	1370
60°	1146	1294	1380
65°	1096	1287	1392
70°	1021	1273	1407
75°	913	1241	1386
80°	761	1145	1065
85°	574	670	559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	2.9
10°-20°	245.9	8.4
20°-30°	387.8	13.2
30°-40°	495.2	16.9
40°-50°	533.4	18.2
50°-60°	491.4	16.8
60°-70°	393.1	13.4
70°-80°	241.3	8.2
80°-90°	55.0	1.9
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°	717.9	24.5
0°-40°	1213.1	41.4
0°-60°	2237.9	76.5
0°-90°	2927.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2927.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	885	885	881	886	886	84
15°	869	870	866	871	871	246
25°	836	837	838	842	841	387
35°	784	786	788	796	797	490
45°	670	677	690	708	713	516
55°	509	522	552	577	584	455
65°	344	367	404	429	437	340
75°	176	204	239	260	267	187
85°	37	50	43	38	36	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	884.9	884.9	884.9	884.9	884.9
2.5°	884.9	885.9	880.7	885.9	886.9
5°	884.9	884.9	880.7	885.9	885.9
7.5°	882.8	882.8	878.6	883.8	883.8
10°	877.6	877.6	873.5	878.6	880.7
12.5°	873.5	873.5	870.4	875.5	875.5
15°	869.3	870.4	866.2	871.4	871.4
17.5°	863.1	863.1	861.1	865.2	866.2
20°	856.9	856.9	854.9	860.0	861.1
22.5°	846.6	847.6	846.6	850.7	850.7
25°	836.3	837.3	838.3	842.5	841.4
27.5°	828.0	829.0	829.0	833.2	830.1
30°	815.6	818.7	818.7	820.8	821.8
32.5°	801.1	805.3	806.3	810.4	811.5
35°	783.5	785.6	787.7	796.0	797.0
37.5°	763.9	769.1	771.1	782.5	785.6
40°	739.1	745.3	751.5	766.0	768.0
42.5°	708.1	715.3	723.6	739.1	743.2
45°	669.8	677.1	690.5	708.1	713.3
47.5°	630.6	638.8	657.4	676.0	680.2
50°	588.2	600.6	622.3	644.0	647.1
52.5°	549.9	562.3	589.2	612.0	617.1
55°	508.6	522.0	552.0	576.8	584.0
57.5°	467.2	484.8	516.9	541.7	548.9
60°	425.9	444.5	480.7	503.4	512.7
62.5°	385.6	406.2	442.4	468.3	475.5
65°	344.2	367.0	404.2	429.0	437.3
67.5°	301.8	325.6	364.9	389.7	398.0
70°	259.5	286.3	323.5	350.4	357.7
72.5°	219.1	244.0	281.2	304.9	314.2
75°	175.7	203.6	238.8	260.5	266.7
77.5°	136.4	163.3	194.3	207.8	205.7
80°	98.2	126.1	147.8	143.7	137.5
82.5°	66.2	88.9	92.0	85.8	83.7
85°	37.2	49.6	43.4	38.2	36.2
87.5°	15.5	13.4	7.2	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)