

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: P302460

Luminaire Tested: **ZX-WO-30L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302460
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-30L940-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

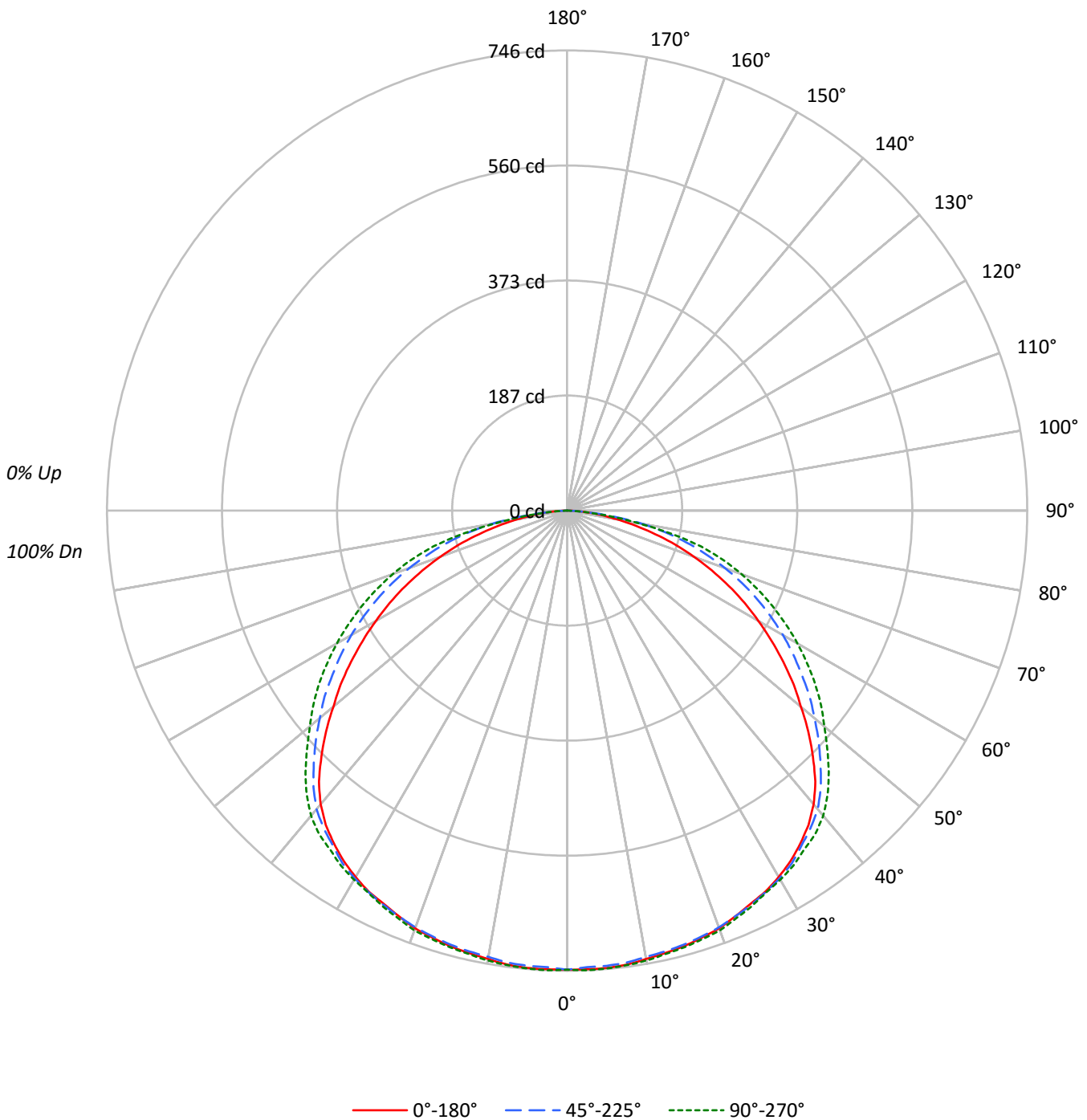
Lumens per Lamp: N/A
Luminaire Lumens: 2462.2 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.3
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°	1001	1001	1001
5°	1005	1001	1006
10°	1009	1004	1012
15°	1019	1015	1021
20°	1032	1029	1037
25°	1044	1047	1051
30°	1066	1070	1074
35°	1083	1088	1101
40°	1092	1110	1135
45°	1072	1105	1141
50°	1036	1096	1139
55°	1004	1089	1152
60°	964	1088	1161
65°	922	1082	1171
70°	858	1070	1183
75°	768	1044	1166
80°	640	963	896
85°	483	563	469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	2.9
10°-20°	206.8	8.4
20°-30°	326.2	13.2
30°-40°	416.5	16.9
40°-50°	448.6	18.2
50°-60°	413.4	16.8
60°-70°	330.6	13.4
70°-80°	202.9	8.2
80°-90°	46.3	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°	603.9	24.5
0°-40°	1020.4	41.4
0°-60°	1882.4	76.5
0°-90°	2462.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2462.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	744	744	741	745	745	71
15°	731	732	729	733	733	207
25°	703	704	705	709	708	325
35°	659	661	662	670	670	412
45°	563	570	581	596	600	434
55°	428	439	464	485	491	382
65°	290	309	340	361	368	286
75°	148	171	201	219	224	157
85°	31	42	36	32	30	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.3	744.3	744.3	744.3	744.3
2.5°	744.3	745.1	740.8	745.1	746.0
5°	744.3	744.3	740.8	745.1	745.1
7.5°	742.5	742.5	739.0	743.4	743.4
10°	738.2	738.2	734.7	739.0	740.8
12.5°	734.7	734.7	732.1	736.4	736.4
15°	731.2	732.1	728.6	733.0	733.0
17.5°	726.0	726.0	724.3	727.7	728.6
20°	720.8	720.8	719.0	723.4	724.3
22.5°	712.1	713.0	712.1	715.6	715.6
25°	703.4	704.3	705.1	708.6	707.7
27.5°	696.4	697.3	697.3	700.8	698.2
30°	686.0	688.6	688.6	690.4	691.2
32.5°	673.8	677.3	678.2	681.7	682.5
35°	659.1	660.8	662.5	669.5	670.4
37.5°	642.5	646.9	648.6	658.2	660.8
40°	621.7	626.9	632.1	644.3	646.0
42.5°	595.6	601.7	608.6	621.7	625.1
45°	563.4	569.5	580.8	595.6	599.9
47.5°	530.4	537.3	553.0	568.6	572.1
50°	494.7	505.2	523.4	541.7	544.3
52.5°	462.6	473.0	495.6	514.7	519.1
55°	427.8	439.1	464.3	485.2	491.2
57.5°	393.0	407.8	434.7	455.6	461.7
60°	358.2	373.9	404.3	423.4	431.3
62.5°	324.3	341.7	372.1	393.9	400.0
65°	289.5	308.7	340.0	360.8	367.8
67.5°	253.9	273.9	306.9	327.8	334.7
70°	218.2	240.8	272.1	294.7	300.8
72.5°	184.3	205.2	236.5	256.5	264.3
75°	147.8	171.3	200.8	219.1	224.3
77.5°	114.8	137.4	163.5	174.8	173.0
80°	82.6	106.1	124.3	120.9	115.6
82.5°	55.6	74.8	77.4	72.2	70.4
85°	31.3	41.7	36.5	32.2	30.4
87.5°	13.0	11.3	6.1	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)