

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: P302322

Luminaire Tested: **ZX-WO-30H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-30H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

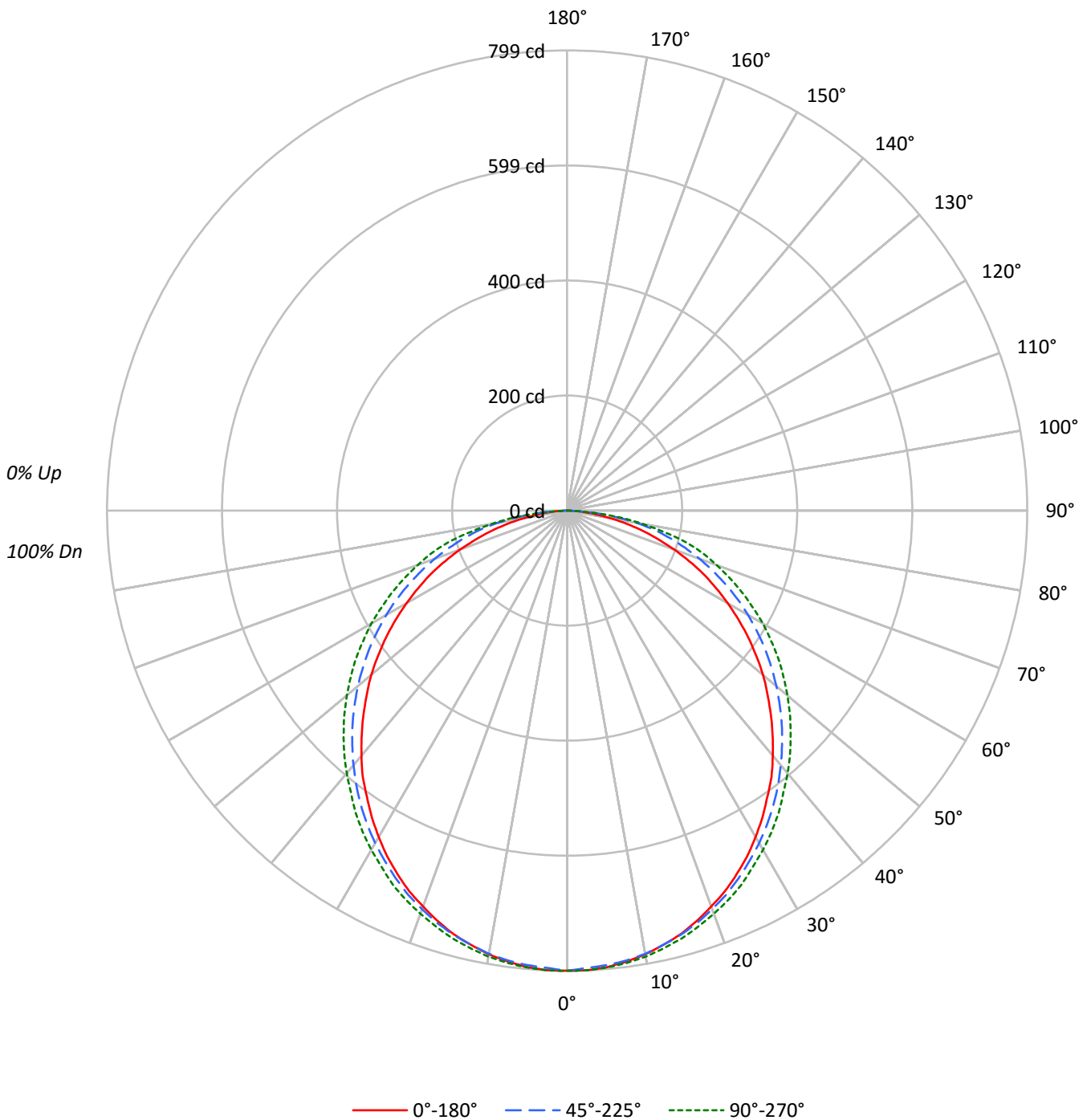
Lumens per Lamp: N/A
Luminaire Lumens: 2325.3 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1075	1075	1075
5°	1075	1070	1076
10°	1069	1068	1074
15°	1061	1062	1071
20°	1048	1055	1067
25°	1034	1045	1064
30°	1017	1036	1057
35°	996	1026	1052
40°	976	1014	1046
45°	951	1003	1044
50°	930	993	1045
55°	900	984	1050
60°	867	977	1057
65°	833	968	1066
70°	777	960	1085
75°	708	963	1118
80°	586	952	1030
85°	449	756	730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.2
10°-20°	215.7	9.3
20°-30°	325.4	14.0
30°-40°	390.6	16.8
40°-50°	406.2	17.5
50°-60°	373.6	16.1
60°-70°	297.8	12.8
70°-80°	188.7	8.1
80°-90°	51.9	2.2
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°	616.6	26.5
0°-40°	1007.2	43.3
0°-60°	1787.0	76.8
0°-90°	2325.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2325.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	799	799	799	799	799	
5°	796	796	792	796	796	76
15°	762	762	762	768	769	215
25°	697	700	704	714	717	321
35°	606	613	624	636	640	380
45°	500	511	527	544	549	386
55°	384	396	419	440	448	343
65°	262	275	304	327	335	258
75°	136	154	185	208	215	143
85°	29	42	49	48	47	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	798.9	798.9	798.9	798.9	798.9
2.5°	798.9	798.9	794.7	798.9	798.9
5°	795.6	795.6	792.2	796.4	796.4
7.5°	789.7	790.6	788.1	792.2	792.2
10°	782.3	783.1	781.4	786.4	786.4
12.5°	772.3	773.1	772.3	778.1	778.1
15°	761.5	761.5	762.3	768.2	769.0
17.5°	747.4	749.1	750.7	757.4	757.4
20°	731.6	734.1	736.6	744.9	744.9
22.5°	715.8	718.3	721.7	730.0	731.6
25°	696.7	700.1	704.2	714.2	716.7
27.5°	676.8	679.3	685.9	696.7	697.6
30°	654.4	658.5	666.8	677.6	680.1
32.5°	631.1	636.9	646.1	658.5	661.0
35°	606.2	612.9	624.5	636.1	640.3
37.5°	583.0	588.0	601.2	614.5	617.0
40°	555.6	563.0	577.2	592.1	595.4
42.5°	528.2	536.5	552.2	567.2	573.0
45°	499.9	510.7	527.3	543.9	548.9
47.5°	471.7	483.3	500.8	519.0	524.8
50°	444.3	455.1	474.2	493.3	499.1
52.5°	413.6	426.0	446.8	467.5	473.4
55°	383.7	396.1	419.4	440.1	447.6
57.5°	352.9	367.1	391.1	412.7	419.4
60°	322.2	337.2	362.9	384.5	392.8
62.5°	291.5	305.6	333.8	355.4	362.9
65°	261.6	274.9	303.9	327.2	334.7
67.5°	229.2	244.1	274.0	298.1	304.8
70°	197.6	212.6	244.1	269.1	275.7
72.5°	165.3	182.7	214.3	238.3	247.5
75°	136.2	153.6	185.2	208.4	215.1
77.5°	105.5	122.9	155.3	171.9	172.7
80°	75.6	95.5	122.9	129.5	132.9
82.5°	49.8	68.9	84.7	93.0	93.0
85°	29.1	41.5	49.0	48.2	47.3
87.5°	10.8	14.1	11.6	8.3	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)