

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: P302440

Luminaire Tested: **ZX-WO-30L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302440
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-30L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2327.4 lumens
Efficiency: N/A
Efficacy: 104.4 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

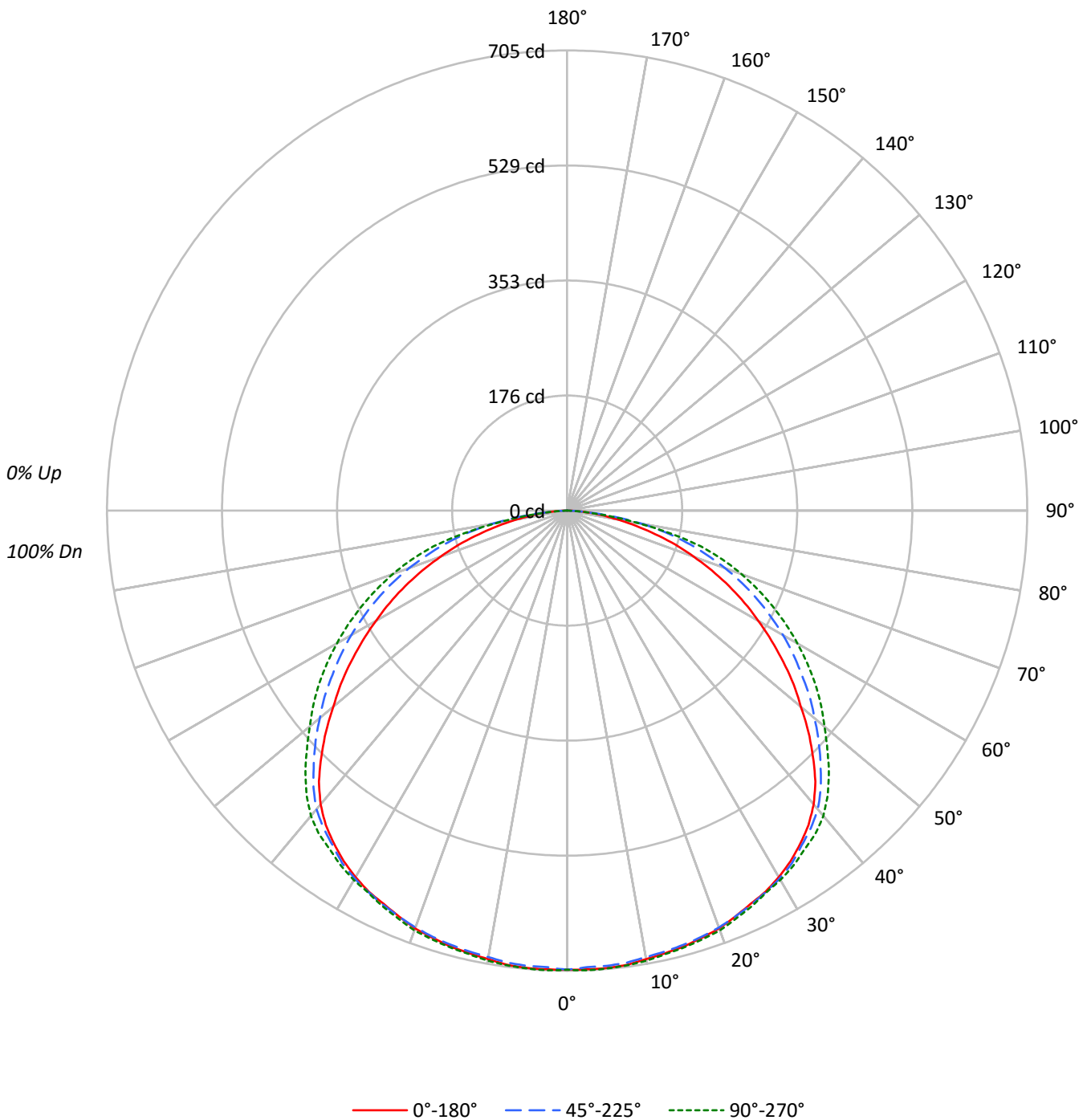
Input Watts (W): 22.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	947	947	947
5°	950	946	951
10°	953	949	957
15°	963	959	965
20°	976	973	980
25°	987	989	993
30°	1007	1011	1015
35°	1023	1029	1041
40°	1032	1049	1072
45°	1013	1045	1079
50°	979	1036	1077
55°	949	1030	1089
60°	911	1028	1097
65°	871	1023	1107
70°	812	1012	1119
75°	726	987	1102
80°	605	910	847
85°	457	533	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	2.9
10°-20°	195.5	8.4
20°-30°	308.4	13.2
30°-40°	393.7	16.9
40°-50°	424.1	18.2
50°-60°	390.7	16.8
60°-70°	312.5	13.4
70°-80°	191.8	8.2
80°-90°	43.8	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°	570.8	24.5
0°-40°	964.5	41.4
0°-60°	1779.3	76.5
0°-90°	2327.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2327.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	704	704	700	704	704	67
15°	691	692	689	693	693	195
25°	665	666	666	670	669	308
35°	623	625	626	633	634	390
45°	533	538	549	563	567	410
55°	404	415	439	459	464	361
65°	274	292	321	341	348	270
75°	140	162	190	207	212	149
85°	30	39	34	30	29	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.5	703.5	703.5	703.5	703.5
2.5°	703.5	704.3	700.2	704.3	705.1
5°	703.5	703.5	700.2	704.3	704.3
7.5°	701.9	701.9	698.6	702.7	702.7
10°	697.8	697.8	694.5	698.6	700.2
12.5°	694.5	694.5	692.0	696.1	696.1
15°	691.2	692.0	688.7	692.8	692.8
17.5°	686.2	686.2	684.6	687.9	688.7
20°	681.3	681.3	679.7	683.8	684.6
22.5°	673.1	673.9	673.1	676.4	676.4
25°	664.9	665.7	666.5	669.8	669.0
27.5°	658.3	659.1	659.1	662.4	659.9
30°	648.4	650.9	650.9	652.6	653.4
32.5°	636.9	640.2	641.0	644.3	645.2
35°	623.0	624.6	626.3	632.8	633.6
37.5°	607.3	611.5	613.1	622.1	624.6
40°	587.6	592.6	597.5	609.0	610.6
42.5°	563.0	568.7	575.3	587.6	590.9
45°	532.6	538.3	549.0	563.0	567.1
47.5°	501.3	507.9	522.7	537.5	540.8
50°	467.6	477.5	494.8	512.0	514.5
52.5°	437.2	447.1	468.5	486.5	490.6
55°	404.4	415.0	438.9	458.6	464.3
57.5°	371.5	385.4	410.9	430.7	436.4
60°	338.6	353.4	382.2	400.2	407.6
62.5°	306.6	323.0	351.8	372.3	378.1
65°	273.7	291.8	321.3	341.1	347.6
67.5°	240.0	258.9	290.1	309.8	316.4
70°	206.3	227.7	257.2	278.6	284.4
72.5°	174.2	194.0	223.5	242.4	249.8
75°	139.7	161.9	189.8	207.1	212.0
77.5°	108.5	129.9	154.5	165.2	163.5
80°	78.1	100.3	117.5	114.2	109.3
82.5°	52.6	70.7	73.1	68.2	66.6
85°	29.6	39.4	34.5	30.4	28.8
87.5°	12.3	10.7	5.8	2.5	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)