

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: P302150

Luminaire Tested: **ZX-WO-44H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-44H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

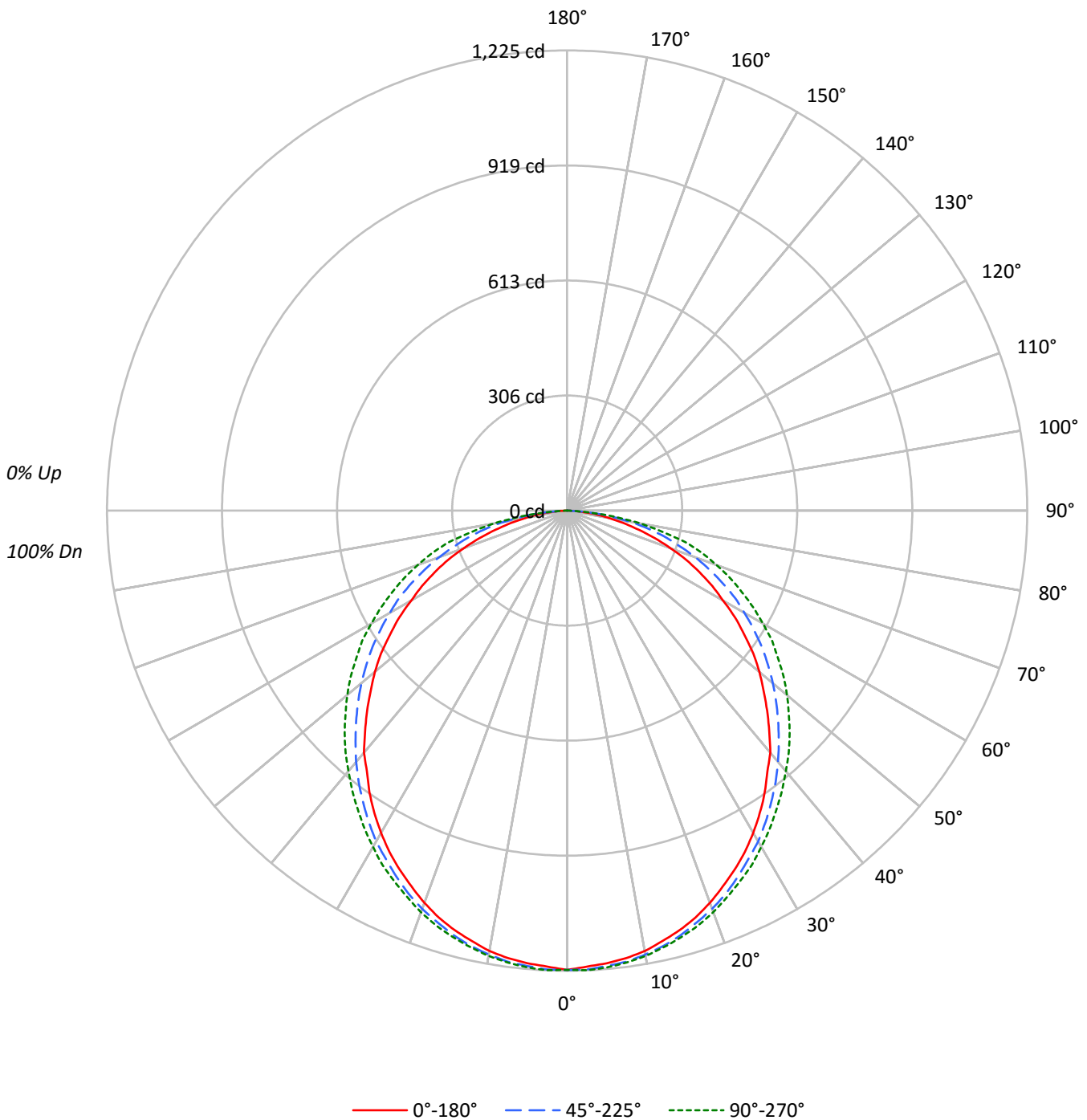
Lumens per Lamp: N/A
Luminaire Lumens: 3504.7 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.2
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	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					100			
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3290	3290	3290
5°	3267	3287	3298
10°	3253	3279	3289
15°	3222	3259	3275
20°	3182	3231	3258
25°	3132	3193	3233
30°	3078	3160	3213
35°	3012	3112	3192
40°	2956	3069	3182
45°	2865	3023	3188
50°	2796	2994	3199
55°	2700	2966	3213
60°	2580	2935	3239
65°	2475	2907	3268
70°	2301	2851	3325
75°	2040	2785	3394
80°	1725	2602	3070
85°	1223	1806	1748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	3.3
10°-20°	329.4	9.4
20°-30°	495.0	14.1
30°-40°	592.2	16.9
40°-50°	614.0	17.5
50°-60°	564.8	16.1
60°-70°	448.2	12.8
70°-80°	276.8	7.9
80°-90°	68.8	2.0
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°	939.9	26.8
0°-40°	1532.1	43.7
0°-60°	2710.9	77.3
0°-90°	3504.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3504.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1223	1223	1223	1223	1223	
5°	1210	1213	1217	1221	1221	115
15°	1157	1160	1170	1176	1176	326
25°	1055	1062	1076	1087	1089	486
35°	917	926	947	966	972	573
45°	753	766	794	826	838	582
55°	576	591	632	676	685	515
65°	389	406	457	500	513	384
75°	196	223	268	309	326	210
85°	40	51	58	58	57	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1222.7	1222.7	1222.7	1222.7	1222.7
2.5°	1215.1	1217.0	1222.7	1224.6	1224.6
5°	1209.5	1213.2	1217.0	1220.8	1220.8
7.5°	1201.9	1205.7	1211.3	1213.2	1213.2
10°	1190.6	1194.4	1200.0	1203.8	1203.8
12.5°	1173.6	1179.3	1186.8	1190.6	1190.6
15°	1156.6	1160.4	1169.8	1175.5	1175.5
17.5°	1135.9	1139.6	1149.1	1156.6	1158.5
20°	1111.3	1115.1	1128.3	1135.9	1137.8
22.5°	1083.0	1088.7	1103.8	1111.3	1113.2
25°	1054.7	1062.3	1075.5	1086.8	1088.7
27.5°	1024.5	1032.1	1045.3	1060.4	1064.2
30°	990.6	998.1	1017.0	1030.2	1034.0
32.5°	954.7	964.2	983.0	1000.0	1003.8
35°	917.0	926.4	947.2	966.1	971.7
37.5°	875.5	888.7	911.3	932.1	939.6
40°	841.5	849.1	873.6	898.1	905.7
42.5°	796.2	807.6	834.0	862.3	873.6
45°	752.8	766.1	794.4	826.4	837.8
47.5°	709.4	722.7	754.7	788.7	800.0
50°	667.9	679.3	715.1	752.8	764.2
52.5°	624.5	635.9	673.6	715.1	726.4
55°	575.5	590.6	632.1	675.5	684.9
57.5°	530.2	545.3	588.7	630.2	647.2
60°	479.3	498.1	545.3	586.8	601.9
62.5°	435.9	451.0	503.8	545.3	558.5
65°	388.7	405.7	456.6	500.0	513.2
67.5°	343.4	360.4	409.4	452.8	469.8
70°	292.5	311.3	362.3	405.7	422.6
72.5°	245.3	267.9	313.2	358.5	377.4
75°	196.2	222.6	267.9	309.4	326.4
77.5°	152.8	175.5	218.9	247.2	256.6
80°	111.3	134.0	167.9	186.8	198.1
82.5°	75.5	88.7	115.1	128.3	128.3
85°	39.6	50.9	58.5	58.5	56.6
87.5°	13.2	15.1	11.3	5.7	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)