

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: P302152

Luminaire Tested: **ZX-WO-24H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302152
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-24H935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

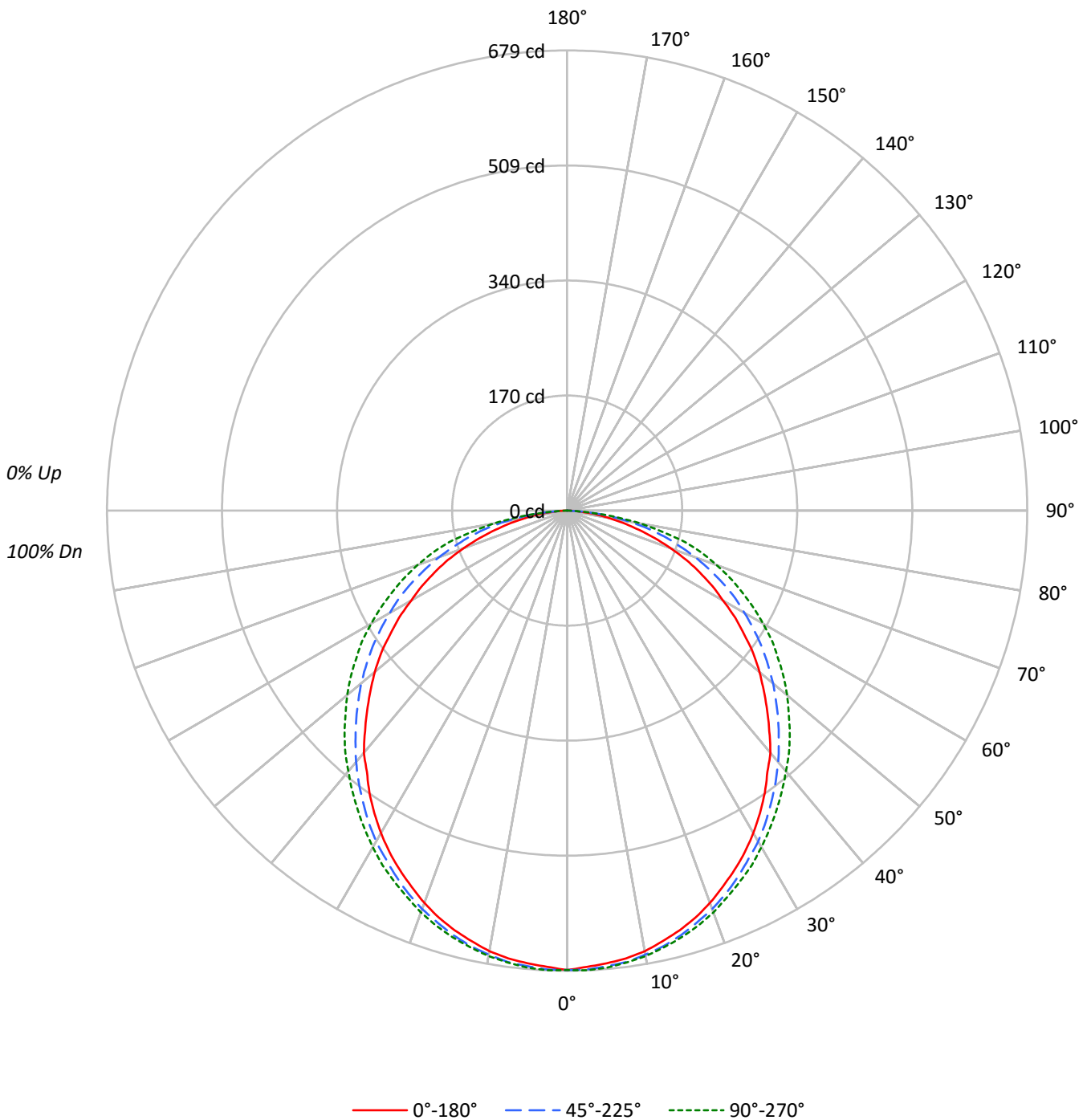
Lumens per Lamp: N/A
Luminaire Lumens: 1943.3 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	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	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1824	1824	1824
5°	1811	1823	1828
10°	1804	1818	1824
15°	1787	1807	1816
20°	1765	1792	1807
25°	1736	1771	1792
30°	1707	1752	1781
35°	1670	1725	1770
40°	1639	1702	1764
45°	1588	1676	1768
50°	1551	1660	1774
55°	1497	1644	1782
60°	1430	1628	1796
65°	1372	1612	1812
70°	1276	1581	1844
75°	1131	1545	1882
80°	956	1443	1703
85°	679	1000	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	3.3
10°-20°	182.7	9.4
20°-30°	274.4	14.1
30°-40°	328.3	16.9
40°-50°	340.5	17.5
50°-60°	313.1	16.1
60°-70°	248.5	12.8
70°-80°	153.5	7.9
80°-90°	38.1	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°	521.2	26.8
0°-40°	849.5	43.7
0°-60°	1503.1	77.3
0°-90°	1943.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1943.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	671	673	675	677	677	64
15°	641	643	649	652	652	181
25°	585	589	596	603	604	269
35°	508	514	525	536	539	318
45°	417	425	440	458	464	322
55°	319	328	350	374	380	286
65°	216	225	253	277	285	213
75°	109	124	149	172	181	116
85°	22	28	32	32	31	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	677.9	677.9	677.9	677.9	677.9
2.5°	673.8	674.8	677.9	679.0	679.0
5°	670.6	672.7	674.8	676.9	676.9
7.5°	666.4	668.5	671.7	672.7	672.7
10°	660.2	662.3	665.4	667.5	667.5
12.5°	650.7	653.9	658.1	660.2	660.2
15°	641.3	643.4	648.7	651.8	651.8
17.5°	629.8	631.9	637.1	641.3	642.4
20°	616.2	618.3	625.6	629.8	630.9
22.5°	600.5	603.7	612.0	616.2	617.3
25°	584.8	589.0	596.3	602.6	603.7
27.5°	568.1	572.3	579.6	588.0	590.1
30°	549.3	553.4	563.9	571.2	573.3
32.5°	529.4	534.6	545.1	554.5	556.6
35°	508.5	513.7	525.2	535.7	538.8
37.5°	485.4	492.8	505.3	516.8	521.0
40°	466.6	470.8	484.4	498.0	502.2
42.5°	441.5	447.8	462.4	478.1	484.4
45°	417.4	424.8	440.5	458.2	464.5
47.5°	393.4	400.7	418.5	437.3	443.6
50°	370.4	376.6	396.5	417.4	423.7
52.5°	346.3	352.6	373.5	396.5	402.8
55°	319.1	327.5	350.5	374.5	379.8
57.5°	294.0	302.4	326.4	349.4	358.9
60°	265.7	276.2	302.4	325.4	333.7
62.5°	241.7	250.0	279.3	302.4	309.7
65°	215.5	224.9	253.2	277.2	284.6
67.5°	190.4	199.8	227.0	251.1	260.5
70°	162.2	172.6	200.9	224.9	234.4
72.5°	136.0	148.6	173.7	198.8	209.2
75°	108.8	123.5	148.6	171.6	181.0
77.5°	84.7	97.3	121.4	137.1	142.3
80°	61.7	74.3	93.1	103.6	109.9
82.5°	41.8	49.2	63.8	71.1	71.1
85°	22.0	28.2	32.4	32.4	31.4
87.5°	7.3	8.4	6.3	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)