

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: P302158

Luminaire Tested: **ZX-WO-24H940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302158
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-24H940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

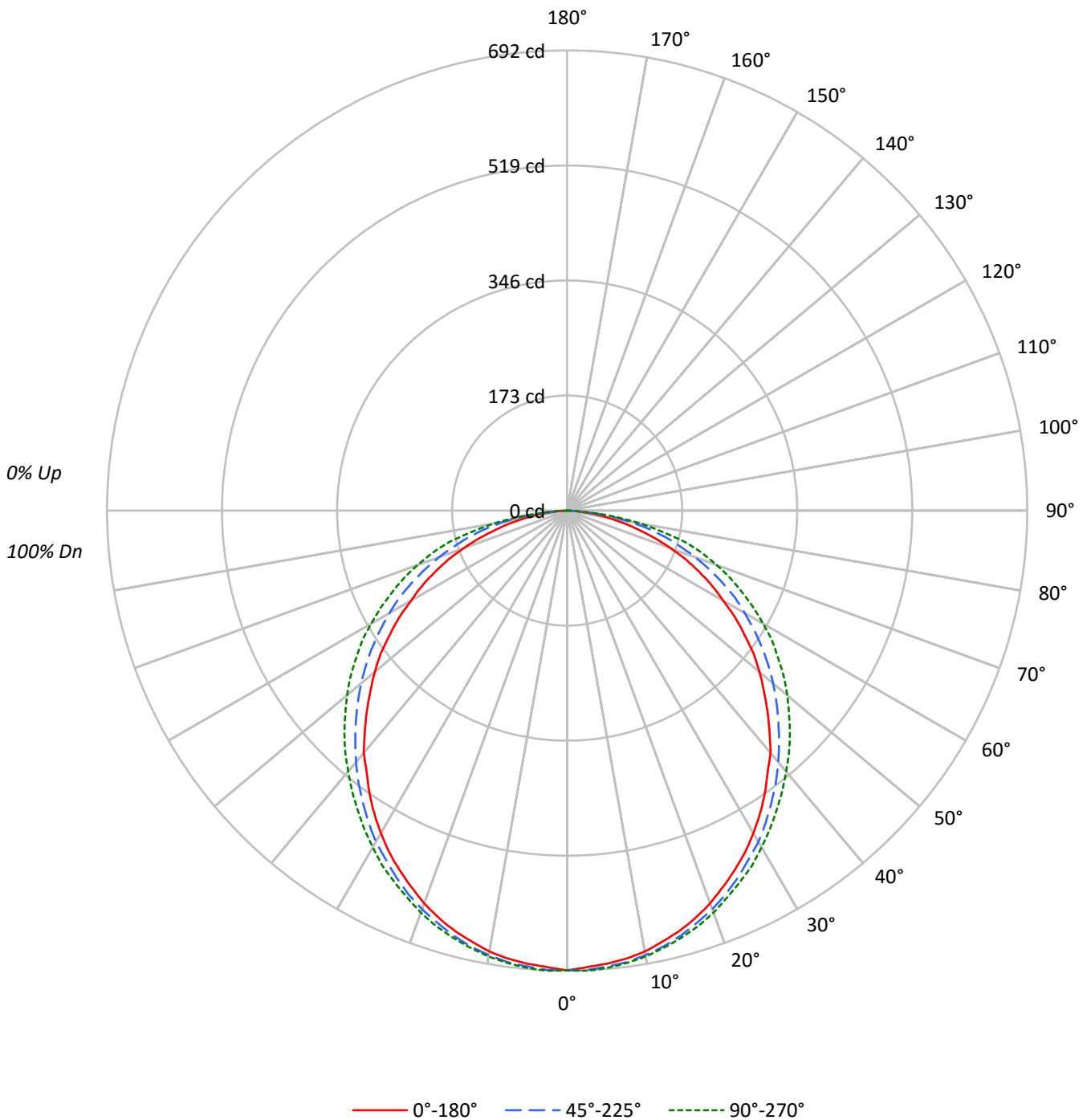
Lumens per Lamp: N/A
Luminaire Lumens: 1982.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1861	1861	1861
5°	1848	1859	1865
10°	1840	1854	1860
15°	1822	1843	1852
20°	1800	1827	1842
25°	1771	1806	1828
30°	1741	1787	1817
35°	1704	1759	1805
40°	1672	1735	1799
45°	1620	1709	1803
50°	1581	1693	1809
55°	1527	1677	1817
60°	1459	1660	1832
65°	1400	1644	1848
70°	1301	1612	1880
75°	1154	1575	1919
80°	976	1472	1736
85°	692	1022	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	3.3
10°-20°	186.3	9.4
20°-30°	279.9	14.1
30°-40°	334.9	16.9
40°-50°	347.2	17.5
50°-60°	319.4	16.1
60°-70°	253.5	12.8
70°-80°	156.6	7.9
80°-90°	38.9	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°	531.5	26.8
0°-40°	866.4	43.7
0°-60°	1533.0	77.3
0°-90°	1982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	684	686	688	690	690	65
15°	654	656	662	665	665	184
25°	596	601	608	615	616	275
35°	519	524	536	546	550	324
45°	426	433	449	467	474	329
55°	325	334	357	382	387	291
65°	220	229	258	283	290	217
75°	111	126	152	175	185	119
85°	22	29	33	33	32	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.4	691.4	691.4	691.4	691.4
2.5°	687.2	688.2	691.4	692.5	692.5
5°	684.0	686.1	688.2	690.4	690.4
7.5°	679.7	681.8	685.0	686.1	686.1
10°	673.3	675.4	678.6	680.8	680.8
12.5°	663.7	666.9	671.2	673.3	673.3
15°	654.1	656.2	661.5	664.7	664.7
17.5°	642.3	644.5	649.8	654.1	655.1
20°	628.5	630.6	638.1	642.3	643.4
22.5°	612.5	615.7	624.2	628.5	629.5
25°	596.5	600.7	608.2	614.6	615.7
27.5°	579.4	583.7	591.1	599.7	601.8
30°	560.2	564.4	575.1	582.6	584.7
32.5°	539.9	545.2	555.9	565.5	567.6
35°	518.6	523.9	535.6	546.3	549.5
37.5°	495.1	502.6	515.4	527.1	531.4
40°	475.9	480.2	494.0	507.9	512.2
42.5°	450.3	456.7	471.6	487.6	494.0
45°	425.7	433.2	449.2	467.4	473.8
47.5°	401.2	408.7	426.8	446.0	452.4
50°	377.7	384.1	404.4	425.7	432.1
52.5°	353.2	359.6	380.9	404.4	410.8
55°	325.4	334.0	357.4	382.0	387.3
57.5°	299.8	308.4	332.9	356.4	366.0
60°	271.0	281.7	308.4	331.8	340.4
62.5°	246.5	255.0	284.9	308.4	315.8
65°	219.8	229.4	258.2	282.8	290.2
67.5°	194.2	203.8	231.5	256.1	265.7
70°	165.4	176.1	204.9	229.4	239.0
72.5°	138.7	151.5	177.1	202.7	213.4
75°	111.0	125.9	151.5	175.0	184.6
77.5°	86.4	99.2	123.8	139.8	145.1
80°	63.0	75.8	95.0	105.6	112.0
82.5°	42.7	50.1	65.1	72.6	72.6
85°	22.4	28.8	33.1	33.1	32.0
87.5°	7.5	8.5	6.4	3.2	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)