

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: P302062

Luminaire Tested: **ZX-WO-20L835-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-20L835-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (84)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084.3 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

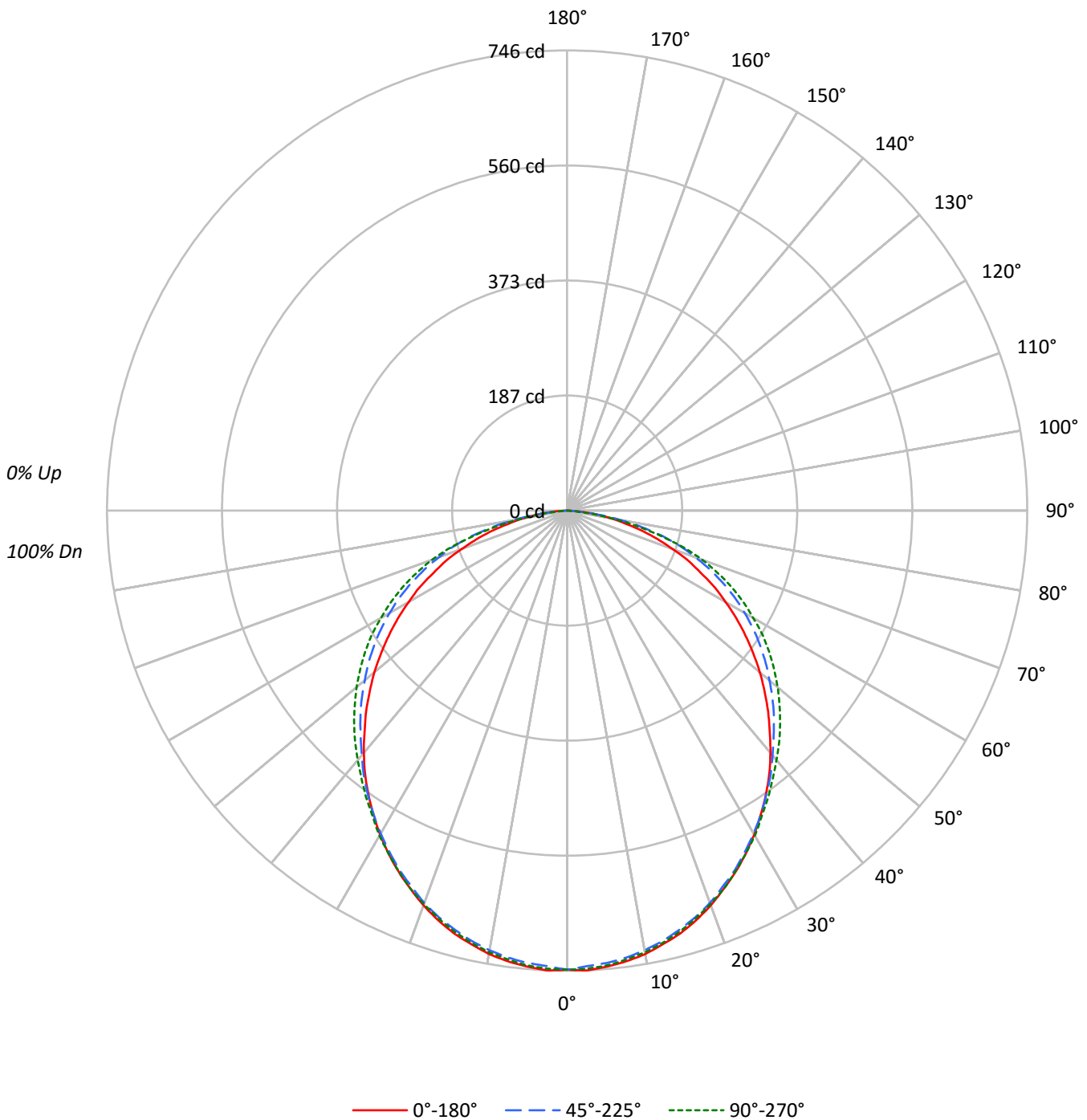
Input Watts (W): 16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2003	2003	2003
5°	2005	1988	1999
10°	1995	1978	1986
15°	1977	1960	1968
20°	1950	1939	1944
25°	1919	1910	1916
30°	1885	1879	1891
35°	1846	1849	1866
40°	1801	1819	1855
45°	1754	1804	1859
50°	1707	1793	1865
55°	1655	1794	1875
60°	1597	1789	1877
65°	1519	1779	1876
70°	1428	1740	1837
75°	1293	1665	1612
80°	1106	1344	1185
85°	787	630	188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	3.4
10°-20°	199.3	9.6
20°-30°	297.3	14.3
30°-40°	353.2	16.9
40°-50°	366.6	17.6
50°-60°	339.0	16.3
60°-70°	270.0	13.0
70°-80°	158.1	7.6
80°-90°	30.7	1.5
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°	566.7	27.2
0°-40°	919.9	44.1
0°-60°	1625.5	78.0
0°-90°	2084.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2084.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	742	740	736	740	740	70
15°	710	709	704	709	706	200
25°	646	645	643	646	645	298
35°	562	562	563	567	568	351
45°	461	466	474	485	488	355
55°	353	363	382	396	400	315
65°	239	256	279	291	295	238
75°	124	145	160	158	155	132
85°	26	31	20	10	6	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.3	744.3	744.3	744.3	744.3
2.5°	746.3	744.3	739.2	744.3	743.2
5°	742.2	740.2	736.1	740.2	740.2
7.5°	737.1	735.1	731.0	735.1	734.1
10°	730.0	727.9	723.9	727.9	726.9
12.5°	719.8	718.8	714.7	718.8	717.7
15°	709.6	708.6	703.5	708.6	706.5
17.5°	696.3	695.3	691.2	694.3	693.3
20°	681.0	679.0	677.0	680.0	679.0
22.5°	663.7	662.7	659.6	664.7	663.7
25°	646.4	645.4	643.3	646.4	645.4
27.5°	627.0	626.0	624.0	628.0	627.0
30°	606.6	606.6	604.6	609.7	608.7
32.5°	584.2	584.2	584.2	587.2	587.2
35°	561.8	561.8	562.8	566.9	567.9
37.5°	538.3	538.3	541.4	547.5	547.5
40°	512.8	514.9	517.9	527.1	528.1
42.5°	486.3	490.4	495.5	506.7	508.7
45°	460.8	465.9	474.1	485.3	488.4
47.5°	434.3	440.4	451.7	463.9	466.9
50°	407.8	416.0	428.2	442.5	445.5
52.5°	380.3	389.5	405.8	420.0	423.1
55°	352.8	363.0	382.3	395.6	399.7
57.5°	325.2	336.4	357.9	371.1	376.2
60°	296.7	308.9	332.4	344.6	348.7
62.5°	270.2	283.4	306.9	318.1	322.2
65°	238.6	255.9	279.4	290.6	294.6
67.5°	213.1	229.4	250.8	263.0	264.1
70°	181.5	201.9	221.2	231.4	233.5
72.5°	152.9	173.3	192.7	196.8	196.8
75°	124.4	144.8	160.1	158.0	155.0
77.5°	95.8	116.2	124.4	117.2	114.2
80°	71.4	88.7	86.7	79.5	76.5
82.5°	46.9	60.2	51.0	42.8	38.7
85°	25.5	30.6	20.4	10.2	6.1
87.5°	9.2	6.1	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)