

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: P302068

Luminaire Tested: **ZX-WO-20L840-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302068
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-20L840-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (84)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2128.5 lumens
Efficiency: N/A
Efficacy: 133.0 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

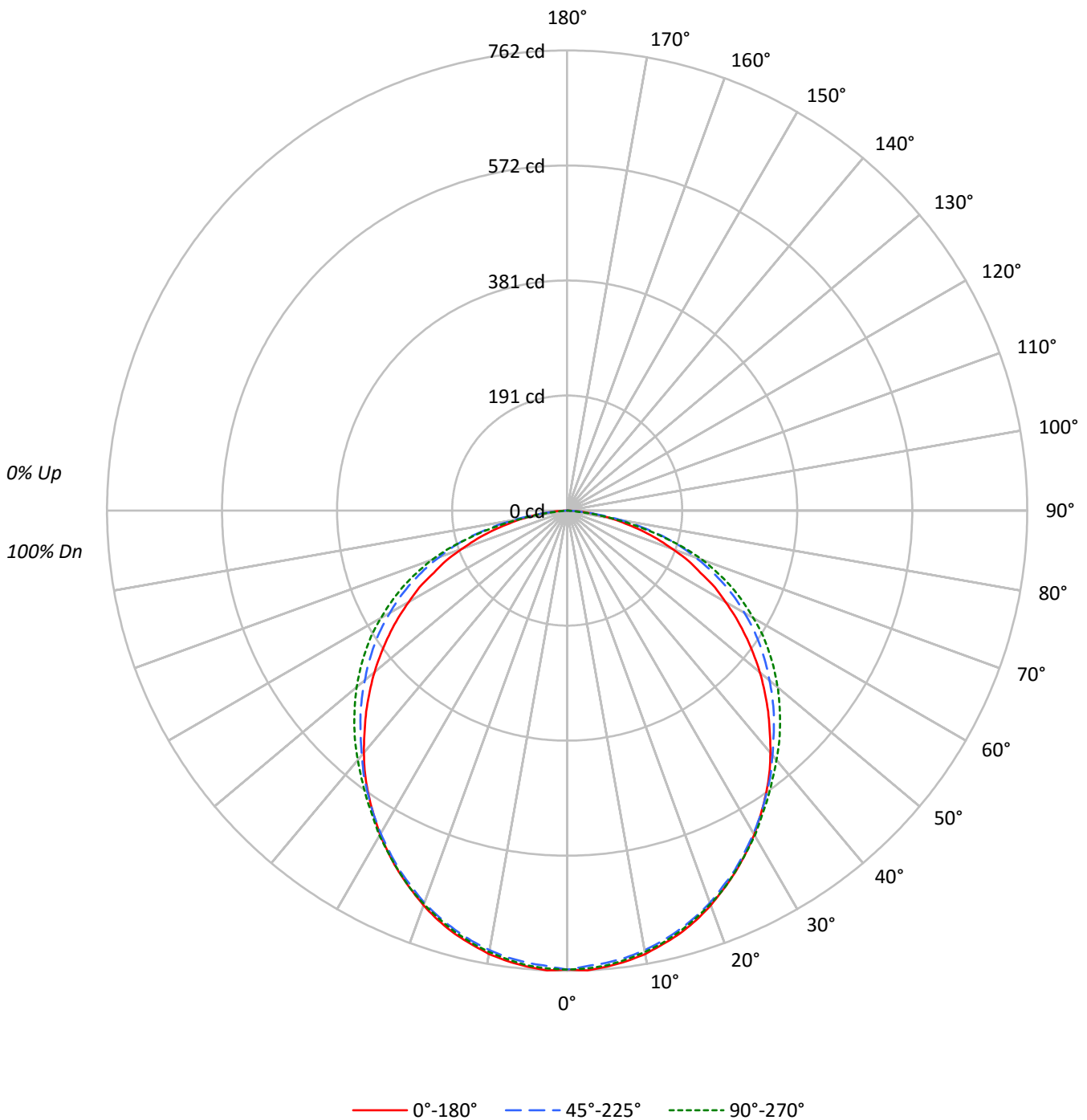
Input Watts (W): 16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2045	2045	2045
5°	2048	2031	2042
10°	2037	2020	2029
15°	2019	2001	2010
20°	1992	1980	1986
25°	1960	1951	1957
30°	1925	1918	1931
35°	1885	1888	1905
40°	1840	1858	1894
45°	1791	1843	1898
50°	1744	1831	1905
55°	1690	1832	1915
60°	1631	1827	1917
65°	1551	1817	1916
70°	1458	1777	1876
75°	1320	1700	1646
80°	1130	1371	1210
85°	803	642	191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.4
10°-20°	203.5	9.6
20°-30°	303.6	14.3
30°-40°	360.7	16.9
40°-50°	374.4	17.6
50°-60°	346.2	16.3
60°-70°	275.8	13.0
70°-80°	161.4	7.6
80°-90°	31.3	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°	578.8	27.2
0°-40°	939.5	44.1
0°-60°	1660.0	78.0
0°-90°	2128.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2128.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	758	756	752	756	756	72
15°	725	724	718	724	722	204
25°	660	659	657	660	659	304
35°	574	574	575	579	580	359
45°	471	476	484	496	499	363
55°	360	371	390	404	408	322
65°	244	261	285	297	301	243
75°	127	148	164	161	158	134
85°	26	31	21	10	6	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	760.1	760.1	760.1	760.1	760.1
2.5°	762.2	760.1	754.9	760.1	759.0
5°	758.0	755.9	751.8	755.9	755.9
7.5°	752.8	750.7	746.5	750.7	749.7
10°	745.5	743.4	739.3	743.4	742.4
12.5°	735.1	734.1	729.9	734.1	733.0
15°	724.7	723.6	718.4	723.6	721.6
17.5°	711.1	710.1	705.9	709.1	708.0
20°	695.5	693.4	691.4	694.5	693.4
22.5°	677.8	676.8	673.7	678.9	677.8
25°	660.1	659.1	657.0	660.1	659.1
27.5°	640.3	639.3	637.2	641.4	640.3
30°	619.5	619.5	617.4	622.6	621.6
32.5°	596.6	596.6	596.6	599.7	599.7
35°	573.7	573.7	574.7	578.9	580.0
37.5°	549.8	549.8	552.9	559.1	559.1
40°	523.7	525.8	528.9	538.3	539.3
42.5°	496.7	500.8	506.0	517.5	519.6
45°	470.6	475.8	484.2	495.6	498.7
47.5°	443.6	449.8	461.3	473.7	476.9
50°	416.5	424.8	437.3	451.9	455.0
52.5°	388.4	397.7	414.4	429.0	432.1
55°	360.3	370.7	390.5	404.0	408.2
57.5°	332.1	343.6	365.5	379.0	384.2
60°	303.0	315.5	339.4	351.9	356.1
62.5°	275.9	289.5	313.4	324.9	329.0
65°	243.6	261.3	285.3	296.7	300.9
67.5°	217.6	234.3	256.1	268.6	269.7
70°	185.3	206.2	225.9	236.4	238.4
72.5°	156.2	177.0	196.8	201.0	201.0
75°	127.0	147.9	163.5	161.4	158.3
77.5°	97.9	118.7	127.0	119.7	116.6
80°	72.9	90.6	88.5	81.2	78.1
82.5°	47.9	61.4	52.1	43.7	39.6
85°	26.0	31.2	20.8	10.4	6.2
87.5°	9.4	6.2	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)