

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: P302097

Luminaire Tested: **RX-WO-20H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302097
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: RX-WO-20H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

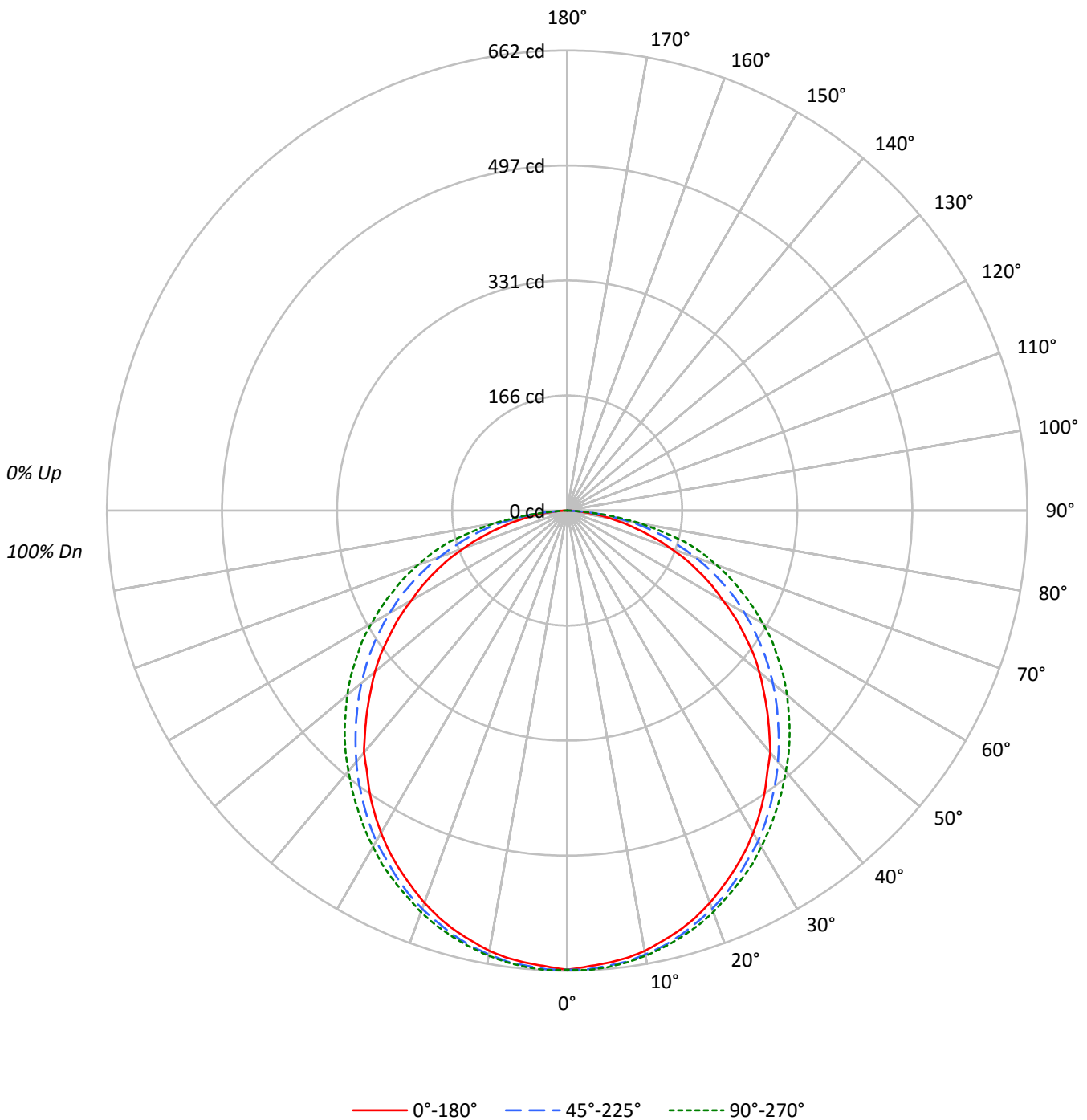
Lumens per Lamp: N/A
Luminaire Lumens: 1893.7 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (A_{in}): 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°	1778	1778	1778
5°	1765	1776	1782
10°	1758	1772	1777
15°	1741	1761	1770
20°	1720	1746	1761
25°	1692	1725	1747
30°	1663	1707	1736
35°	1628	1681	1725
40°	1597	1658	1719
45°	1548	1633	1723
50°	1511	1618	1729
55°	1459	1602	1736
60°	1394	1586	1750
65°	1337	1571	1766
70°	1243	1540	1797
75°	1102	1506	1834
80°	933	1406	1660
85°	661	976	945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	3.3
10°-20°	178.0	9.4
20°-30°	267.4	14.1
30°-40°	320.0	16.9
40°-50°	331.8	17.5
50°-60°	305.2	16.1
60°-70°	242.2	12.8
70°-80°	149.6	7.9
80°-90°	37.2	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°	507.9	26.8
0°-40°	827.9	43.7
0°-60°	1464.8	77.3
0°-90°	1893.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	654	656	658	660	660	62
15°	625	627	632	635	635	176
25°	570	574	581	587	588	263
35°	496	501	512	522	525	310
45°	407	414	429	447	453	314
55°	311	319	342	365	370	278
65°	210	219	247	270	277	208
75°	106	120	145	167	176	113
85°	21	28	32	32	31	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	660.7	660.7	660.7	660.7	660.7
2.5°	656.6	657.6	660.7	661.7	661.7
5°	653.5	655.6	657.6	659.6	659.6
7.5°	649.4	651.5	654.5	655.6	655.6
10°	643.3	645.4	648.4	650.5	650.5
12.5°	634.1	637.2	641.3	643.3	643.3
15°	625.0	627.0	632.1	635.2	635.2
17.5°	613.8	615.8	620.9	625.0	626.0
20°	600.5	602.5	609.7	613.8	614.8
22.5°	585.2	588.3	596.4	600.5	601.5
25°	569.9	574.0	581.1	587.2	588.3
27.5°	553.6	557.7	564.8	573.0	575.0
30°	535.3	539.3	549.5	556.7	558.7
32.5°	515.9	521.0	531.2	540.4	542.4
35°	495.5	500.6	511.8	522.0	525.1
37.5°	473.1	480.2	492.4	503.6	507.7
40°	454.7	458.8	472.0	485.3	489.4
42.5°	430.2	436.4	450.6	465.9	472.0
45°	406.8	413.9	429.2	446.6	452.7
47.5°	383.3	390.5	407.8	426.2	432.3
50°	360.9	367.0	386.4	406.8	412.9
52.5°	337.5	343.6	364.0	386.4	392.5
55°	311.0	319.1	341.5	365.0	370.1
57.5°	286.5	294.6	318.1	340.5	349.7
60°	259.0	269.2	294.6	317.1	325.2
62.5°	235.5	243.7	272.2	294.6	301.8
65°	210.0	219.2	246.7	270.2	277.3
67.5°	185.6	194.7	221.2	244.7	253.9
70°	158.0	168.2	195.7	219.2	228.4
72.5°	132.5	144.8	169.2	193.7	203.9
75°	106.0	120.3	144.8	167.2	176.4
77.5°	82.6	94.8	118.3	133.6	138.7
80°	60.2	72.4	90.7	100.9	107.1
82.5°	40.8	47.9	62.2	69.3	69.3
85°	21.4	27.5	31.6	31.6	30.6
87.5°	7.1	8.2	6.1	3.1	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)