

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: P302174

Luminaire Tested: **RX-WO-20L840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20L840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

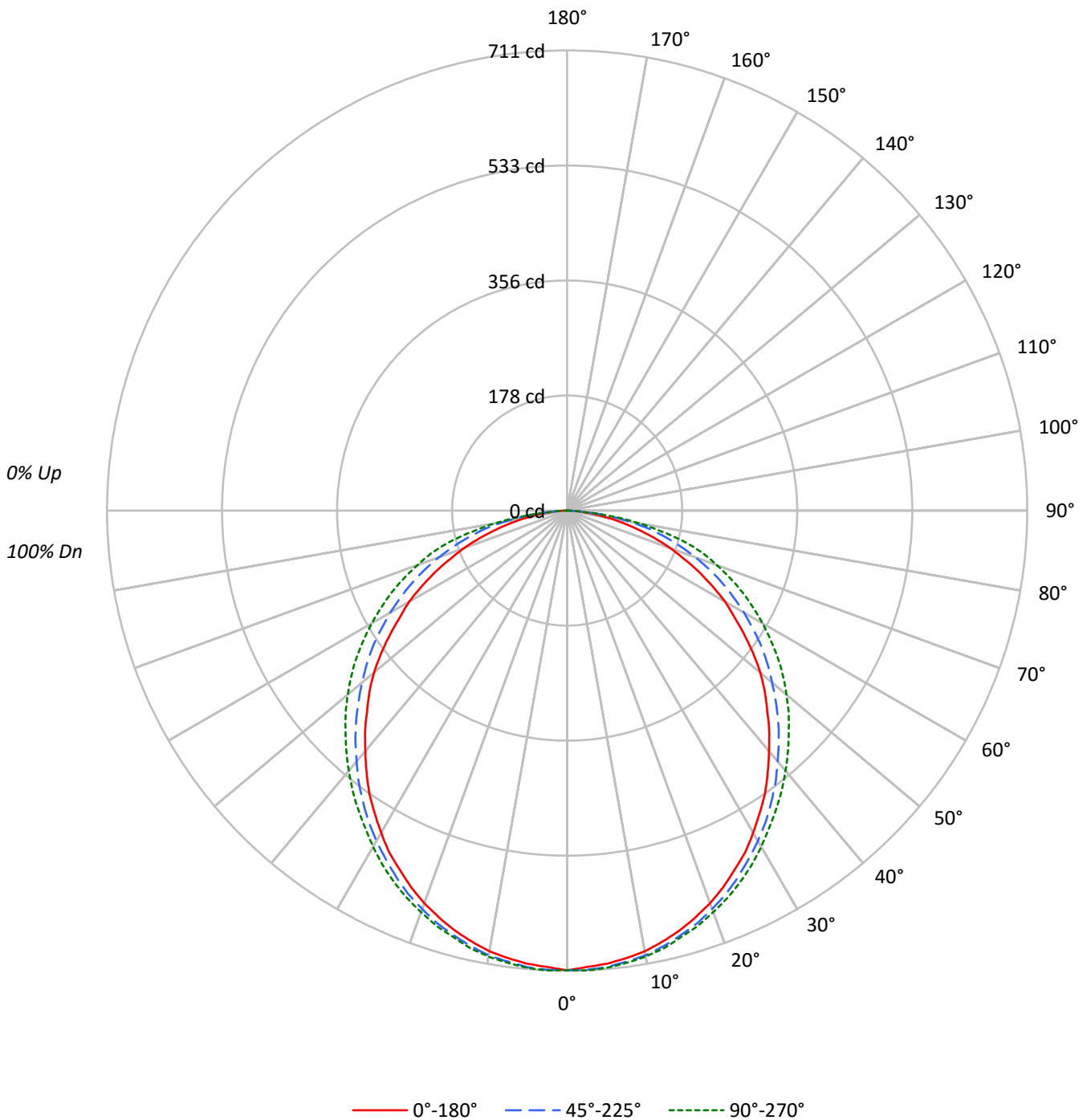
Lumens per Lamp: N/A
Luminaire Lumens: 2033.0 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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	46	57	50	45	55	49	45	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	53	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°	1911	1911	1911
5°	1898	1912	1915
10°	1889	1906	1912
15°	1871	1891	1900
20°	1849	1875	1890
25°	1818	1855	1880
30°	1786	1831	1863
35°	1751	1806	1850
40°	1704	1777	1844
45°	1664	1756	1843
50°	1630	1731	1852
55°	1568	1719	1866
60°	1519	1698	1877
65°	1432	1684	1903
70°	1335	1655	1933
75°	1180	1624	1970
80°	984	1517	1759
85°	738	1028	932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.3
10°-20°	191.3	9.4
20°-30°	287.4	14.1
30°-40°	343.5	16.9
40°-50°	356.1	17.5
50°-60°	327.1	16.1
60°-70°	259.8	12.8
70°-80°	161.3	7.9
80°-90°	39.4	1.9
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°	545.9	26.9
0°-40°	889.4	43.7
0°-60°	1572.6	77.4
0°-90°	2033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	703	705	708	709	709	67
15°	672	674	679	682	682	189
25°	612	616	625	632	633	282
35°	533	538	550	560	563	333
45°	437	444	461	479	484	338
55°	334	343	366	389	398	299
65°	225	235	264	290	299	223
75°	114	128	156	180	190	121
85°	24	29	33	32	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.1	710.1	710.1	710.1	710.1
2.5°	705.9	707.0	710.1	712.2	711.1
5°	702.8	704.9	708.0	709.1	709.1
7.5°	697.6	699.7	702.8	704.9	704.9
10°	691.4	693.4	697.6	699.7	699.7
12.5°	682.0	684.1	689.3	691.4	692.4
15°	671.6	673.7	678.9	682.0	682.0
17.5°	659.1	662.2	668.5	671.6	672.6
20°	645.5	648.7	654.9	659.1	660.1
22.5°	629.9	633.1	641.4	646.6	647.6
25°	612.2	616.4	624.7	632.0	633.1
27.5°	595.6	598.7	607.0	614.3	617.4
30°	574.7	580.0	589.3	597.7	599.7
32.5°	553.9	560.2	570.6	580.0	581.0
35°	533.1	538.3	549.8	560.2	563.3
37.5°	509.2	514.4	528.9	540.4	544.6
40°	485.2	492.5	506.0	519.6	524.8
42.5°	462.3	469.6	484.2	499.8	505.0
45°	437.3	443.6	461.3	479.0	484.2
47.5°	414.4	419.6	437.3	458.1	464.4
50°	389.4	393.6	413.4	436.3	442.5
52.5°	362.3	368.6	390.5	413.4	420.6
55°	334.2	342.6	366.5	389.4	397.7
57.5°	306.1	315.5	340.5	365.5	372.8
60°	282.2	288.4	315.5	340.5	348.8
62.5°	253.0	262.4	289.5	315.5	323.8
65°	224.9	235.3	264.5	289.5	298.8
67.5°	195.7	208.2	238.4	262.4	272.8
70°	169.7	182.2	210.3	235.3	245.7
72.5°	141.6	155.1	183.3	209.3	220.7
75°	113.5	128.1	156.2	180.1	189.5
77.5°	88.5	103.1	129.1	145.8	149.9
80°	63.5	76.0	97.9	109.3	113.5
82.5°	42.7	52.1	66.6	70.8	72.9
85°	23.9	29.2	33.3	32.3	30.2
87.5°	10.4	8.3	7.3	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)