

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: P302186

Luminaire Tested: **RX-WO-20L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302186
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-20L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

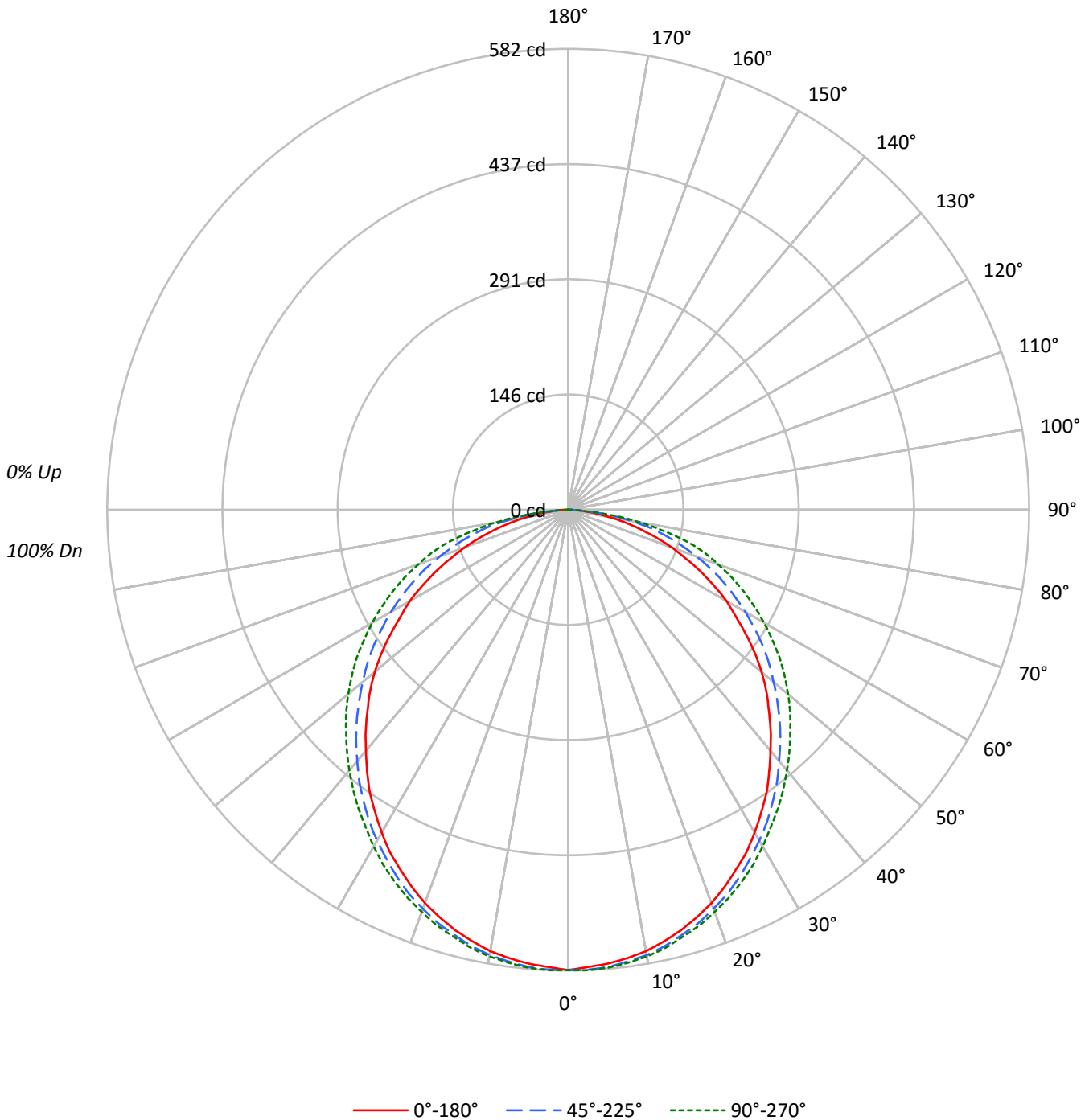
Lumens per Lamp: N/A
Luminaire Lumens: 1664.5 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): 120
Input Current (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	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°	1565	1565	1565
5°	1554	1566	1568
10°	1547	1561	1565
15°	1532	1548	1556
20°	1514	1536	1548
25°	1488	1519	1539
30°	1462	1499	1526
35°	1434	1479	1515
40°	1396	1455	1509
45°	1363	1437	1509
50°	1335	1417	1517
55°	1284	1408	1528
60°	1243	1390	1537
65°	1172	1379	1558
70°	1094	1355	1583
75°	966	1330	1614
80°	806	1241	1440
85°	605	843	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	3.3
10°-20°	156.6	9.4
20°-30°	235.3	14.1
30°-40°	281.2	16.9
40°-50°	291.6	17.5
50°-60°	267.8	16.1
60°-70°	212.7	12.8
70°-80°	132.0	7.9
80°-90°	32.3	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°	446.9	26.9
0°-40°	728.2	43.7
0°-60°	1287.6	77.4
0°-90°	1664.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	581	581	581	581	581	
5°	575	577	580	581	581	55
15°	550	552	556	558	558	155
25°	501	505	512	518	518	231
35°	436	441	450	459	461	273
45°	358	363	378	392	396	277
55°	274	280	300	319	326	245
65°	184	193	216	237	245	182
75°	93	105	128	148	155	99
85°	20	24	27	26	25	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	581.4	581.4	581.4	581.4	581.4
2.5°	578.0	578.9	581.4	583.1	582.3
5°	575.4	577.1	579.7	580.6	580.6
7.5°	571.2	572.9	575.4	577.1	577.1
10°	566.1	567.8	571.2	572.9	572.9
12.5°	558.4	560.1	564.4	566.1	566.9
15°	549.9	551.6	555.8	558.4	558.4
17.5°	539.6	542.2	547.3	549.9	550.7
20°	528.6	531.1	536.2	539.6	540.5
22.5°	515.8	518.3	525.1	529.4	530.3
25°	501.3	504.7	511.5	517.5	518.3
27.5°	487.6	490.2	497.0	503.0	505.5
30°	470.6	474.8	482.5	489.3	491.0
32.5°	453.5	458.7	467.2	474.8	475.7
35°	436.5	440.7	450.1	458.7	461.2
37.5°	416.9	421.1	433.1	442.5	445.9
40°	397.3	403.2	414.3	425.4	429.7
42.5°	378.5	384.5	396.4	409.2	413.5
45°	358.1	363.2	377.7	392.2	396.4
47.5°	339.3	343.6	358.1	375.1	380.2
50°	318.8	322.2	338.4	357.2	362.3
52.5°	296.7	301.8	319.7	338.4	344.4
55°	273.7	280.5	300.1	318.8	325.7
57.5°	250.6	258.3	278.8	299.2	305.2
60°	231.0	236.1	258.3	278.8	285.6
62.5°	207.2	214.8	237.0	258.3	265.1
65°	184.1	192.7	216.5	237.0	244.7
67.5°	160.3	170.5	195.2	214.8	223.4
70°	139.0	149.2	172.2	192.7	201.2
72.5°	115.9	127.0	150.0	171.4	180.7
75°	92.9	104.9	127.9	147.5	155.2
77.5°	72.5	84.4	105.7	119.4	122.8
80°	52.0	62.2	80.1	89.5	92.9
82.5°	35.0	42.6	54.6	58.0	59.7
85°	19.6	23.9	27.3	26.4	24.7
87.5°	8.5	6.8	6.0	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)