

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: P302039

Luminaire Tested: **RX-WO-20L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

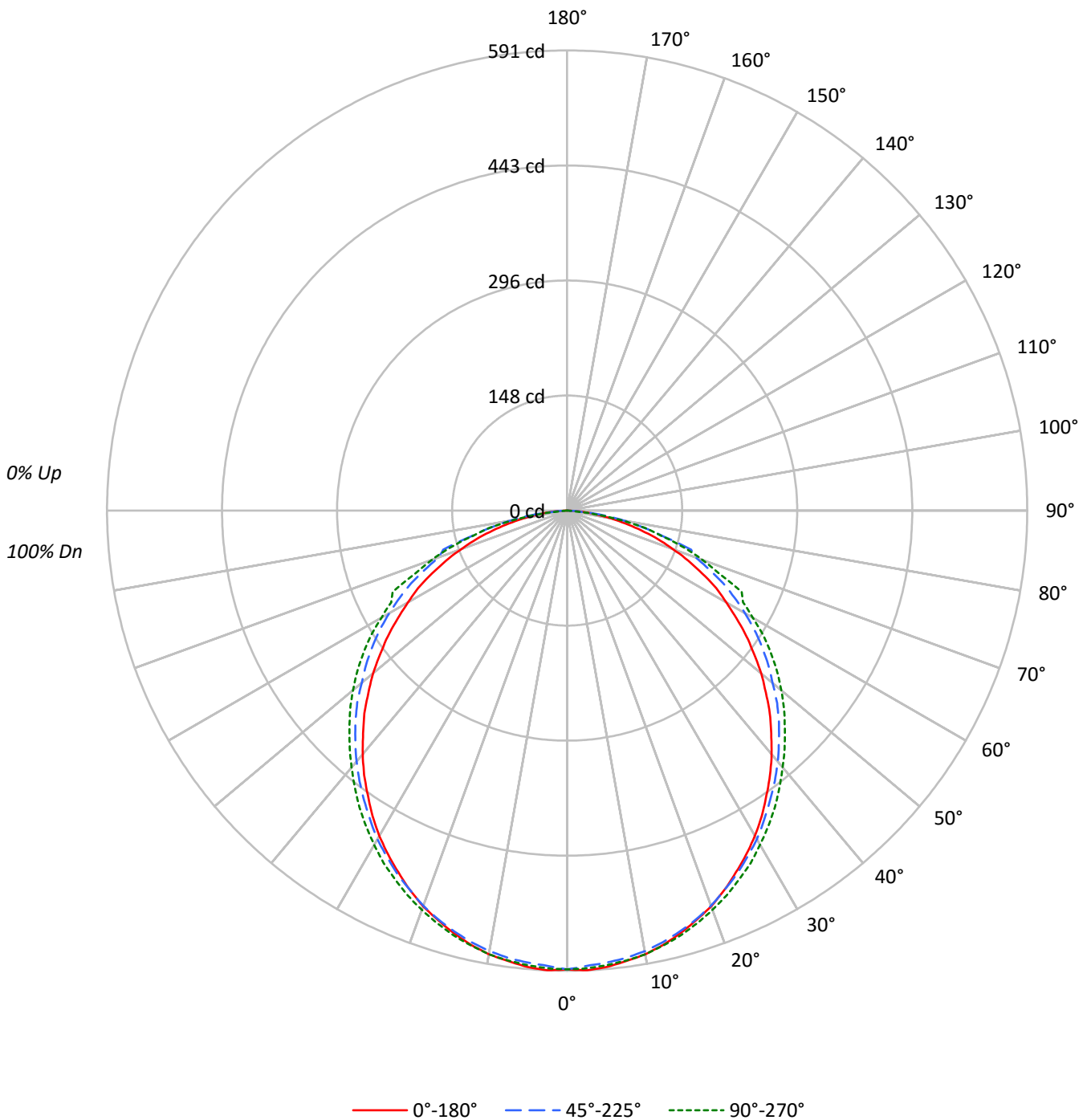
Lumens per Lamp: N/A
Luminaire Lumens: 1675.5 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		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°	1586	1586	1586
5°	1589	1574	1583
10°	1581	1570	1581
15°	1566	1559	1573
20°	1549	1546	1563
25°	1523	1530	1552
30°	1499	1514	1540
35°	1466	1493	1528
40°	1435	1478	1513
45°	1401	1464	1504
50°	1363	1442	1503
55°	1319	1434	1500
60°	1270	1420	1482
65°	1219	1408	1575
70°	1138	1378	1455
75°	1025	1333	1307
80°	866	1147	1083
85°	633	559	204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	3.3
10°-20°	158.6	9.5
20°-30°	238.4	14.2
30°-40°	285.2	17.0
40°-50°	295.7	17.6
50°-60°	271.2	16.2
60°-70°	215.7	12.9
70°-80°	128.2	7.7
80°-90°	26.9	1.6
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°	452.7	27.0
0°-40°	737.9	44.0
0°-60°	1304.7	77.9
0°-90°	1675.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	588	587	583	587	586	56
15°	562	561	560	565	565	159
25°	513	514	515	523	523	236
35°	446	449	454	464	465	279
45°	368	374	385	393	395	284
55°	281	291	306	318	320	251
65°	192	203	221	230	247	190
75°	99	113	128	127	126	105
85°	20	26	18	10	7	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	589.3	589.3	589.3	589.3	589.3
2.5°	590.9	589.3	585.2	589.3	588.4
5°	588.4	586.8	582.7	586.8	586.0
7.5°	583.5	582.7	579.4	583.5	582.7
10°	578.6	576.9	574.5	578.6	578.6
12.5°	571.2	569.5	567.9	572.8	572.0
15°	562.1	561.3	559.7	564.6	564.6
17.5°	551.5	551.5	550.6	555.6	555.6
20°	540.8	540.0	540.0	545.7	545.7
22.5°	527.6	527.6	527.6	535.0	535.0
25°	512.8	513.7	515.3	522.7	522.7
27.5°	498.0	499.7	501.3	508.7	510.4
30°	482.4	483.2	487.4	494.8	495.6
32.5°	465.2	466.8	470.9	479.1	480.8
35°	446.3	448.7	454.5	463.5	465.2
37.5°	428.2	431.5	438.0	447.1	447.9
40°	408.5	412.6	420.8	429.0	430.7
42.5°	387.9	392.8	402.7	411.7	413.4
45°	368.2	373.9	384.6	392.8	395.3
47.5°	346.0	352.6	365.7	375.6	378.1
50°	325.5	332.0	344.4	356.7	359.1
52.5°	302.4	311.5	325.5	337.8	340.2
55°	281.1	290.9	305.7	318.1	319.7
57.5°	258.1	268.7	285.2	296.7	299.2
60°	235.9	247.4	263.8	274.5	275.3
62.5°	216.1	226.0	242.4	252.3	254.8
65°	191.5	203.0	221.1	230.1	247.4
67.5°	168.5	180.0	197.2	227.7	211.2
70°	144.6	157.8	175.1	183.3	184.9
72.5°	122.5	135.6	166.8	157.8	157.0
75°	98.6	112.6	128.2	127.4	125.7
77.5°	76.4	91.2	100.3	101.1	101.1
80°	55.9	74.0	74.0	74.0	69.9
82.5°	36.2	47.7	47.7	41.1	37.0
85°	20.5	25.5	18.1	9.9	6.6
87.5°	7.4	5.8	1.6	1.6	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)