

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: P302193

Luminaire Tested: **RX-WO-24L940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302193
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-24L940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

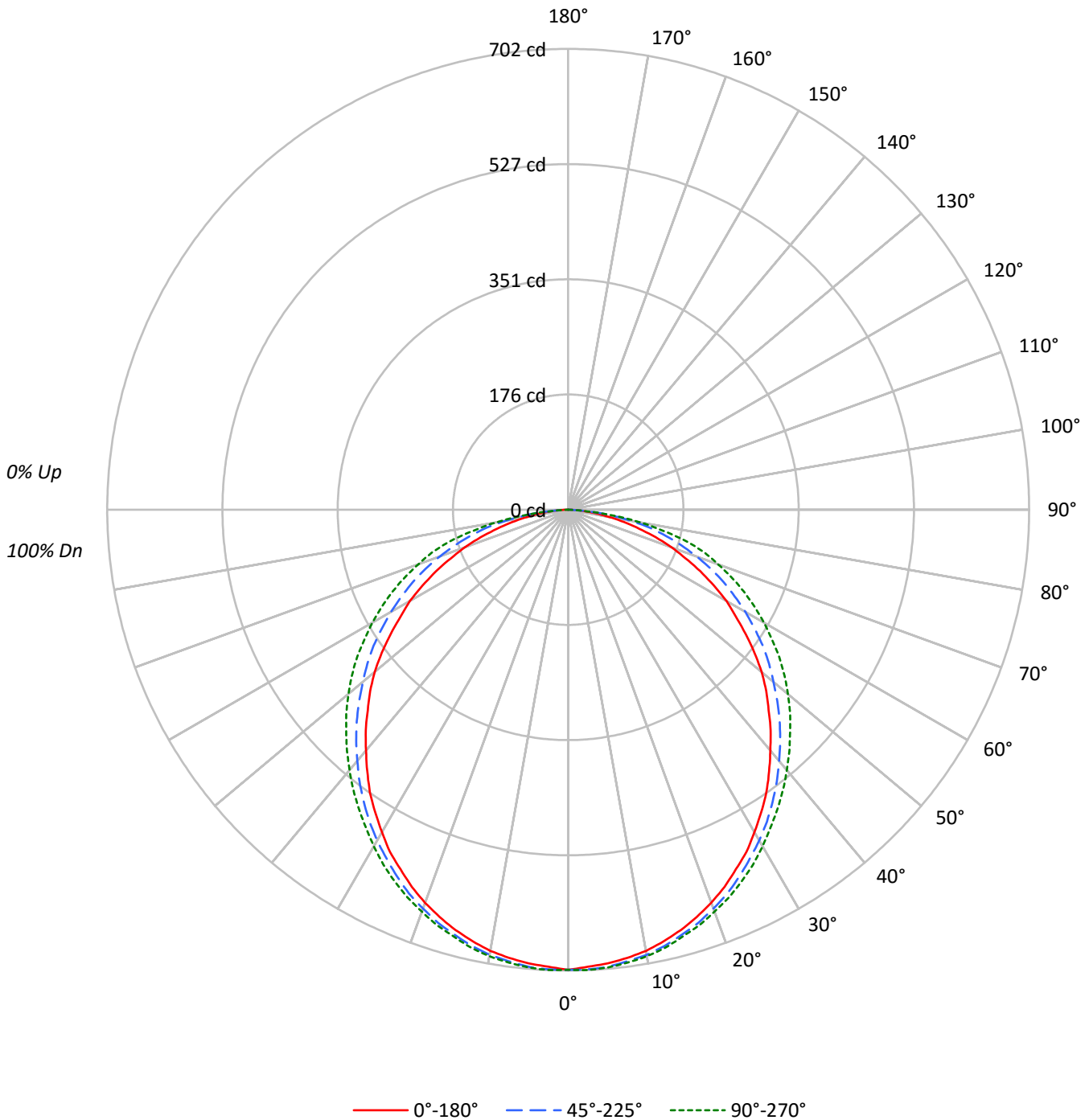
Lumens per Lamp: N/A
Luminaire Lumens: 2006.7 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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°	1886	1886	1886
5°	1874	1888	1891
10°	1865	1882	1887
15°	1847	1867	1875
20°	1825	1851	1866
25°	1794	1831	1855
30°	1763	1808	1840
35°	1729	1783	1827
40°	1682	1755	1820
45°	1643	1733	1819
50°	1609	1708	1829
55°	1548	1697	1842
60°	1499	1676	1853
65°	1414	1663	1878
70°	1318	1633	1909
75°	1164	1603	1945
80°	972	1497	1736
85°	729	1016	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	3.3
10°-20°	188.8	9.4
20°-30°	283.7	14.1
30°-40°	339.0	16.9
40°-50°	351.5	17.5
50°-60°	322.9	16.1
60°-70°	256.4	12.8
70°-80°	159.2	7.9
80°-90°	38.9	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°	538.8	26.9
0°-40°	877.9	43.7
0°-60°	1552.2	77.4
0°-90°	2006.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2006.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	701	701	701	701	701	
5°	694	696	699	700	700	66
15°	663	665	670	673	673	187
25°	604	608	617	624	625	279
35°	526	531	543	553	556	329
45°	432	438	455	473	478	334
55°	330	338	362	384	393	295
65°	222	232	261	286	295	220
75°	112	126	154	178	187	120
85°	24	29	33	32	30	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	700.9	700.9	700.9	700.9	700.9
2.5°	696.8	697.9	700.9	703.0	702.0
5°	693.7	695.8	698.9	699.9	699.9
7.5°	688.6	690.7	693.7	695.8	695.8
10°	682.4	684.5	688.6	690.7	690.7
12.5°	673.2	675.2	680.4	682.4	683.5
15°	662.9	665.0	670.1	673.2	673.2
17.5°	650.6	653.7	659.8	662.9	663.9
20°	637.2	640.3	646.5	650.6	651.6
22.5°	621.8	624.9	633.1	638.2	639.3
25°	604.3	608.4	616.7	623.9	624.9
27.5°	587.9	591.0	599.2	606.4	609.5
30°	567.3	572.5	581.7	589.9	592.0
32.5°	546.8	552.9	563.2	572.5	573.5
35°	526.2	531.4	542.7	552.9	556.0
37.5°	502.6	507.7	522.1	533.4	537.5
40°	478.9	486.1	499.5	512.9	518.0
42.5°	456.3	463.5	477.9	493.3	498.5
45°	431.7	437.8	455.3	472.8	477.9
47.5°	409.0	414.2	431.7	452.2	458.4
50°	384.4	388.5	408.0	430.6	436.8
52.5°	357.7	363.8	385.4	408.0	415.2
55°	329.9	338.1	361.8	384.4	392.6
57.5°	302.2	311.4	336.1	360.7	367.9
60°	278.5	284.7	311.4	336.1	344.3
62.5°	249.7	259.0	285.7	311.4	319.6
65°	222.0	232.3	261.1	285.7	295.0
67.5°	193.2	205.6	235.4	259.0	269.3
70°	167.5	179.9	207.6	232.3	242.6
72.5°	139.8	153.1	180.9	206.6	217.9
75°	112.0	126.4	154.2	177.8	187.1
77.5°	87.4	101.7	127.4	143.9	148.0
80°	62.7	75.0	96.6	107.9	112.0
82.5°	42.1	51.4	65.8	69.9	71.9
85°	23.6	28.8	32.9	31.9	29.8
87.5°	10.3	8.2	7.2	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)