

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: P302125

Luminaire Tested: **RX-WO-39H940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302125
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-39H940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

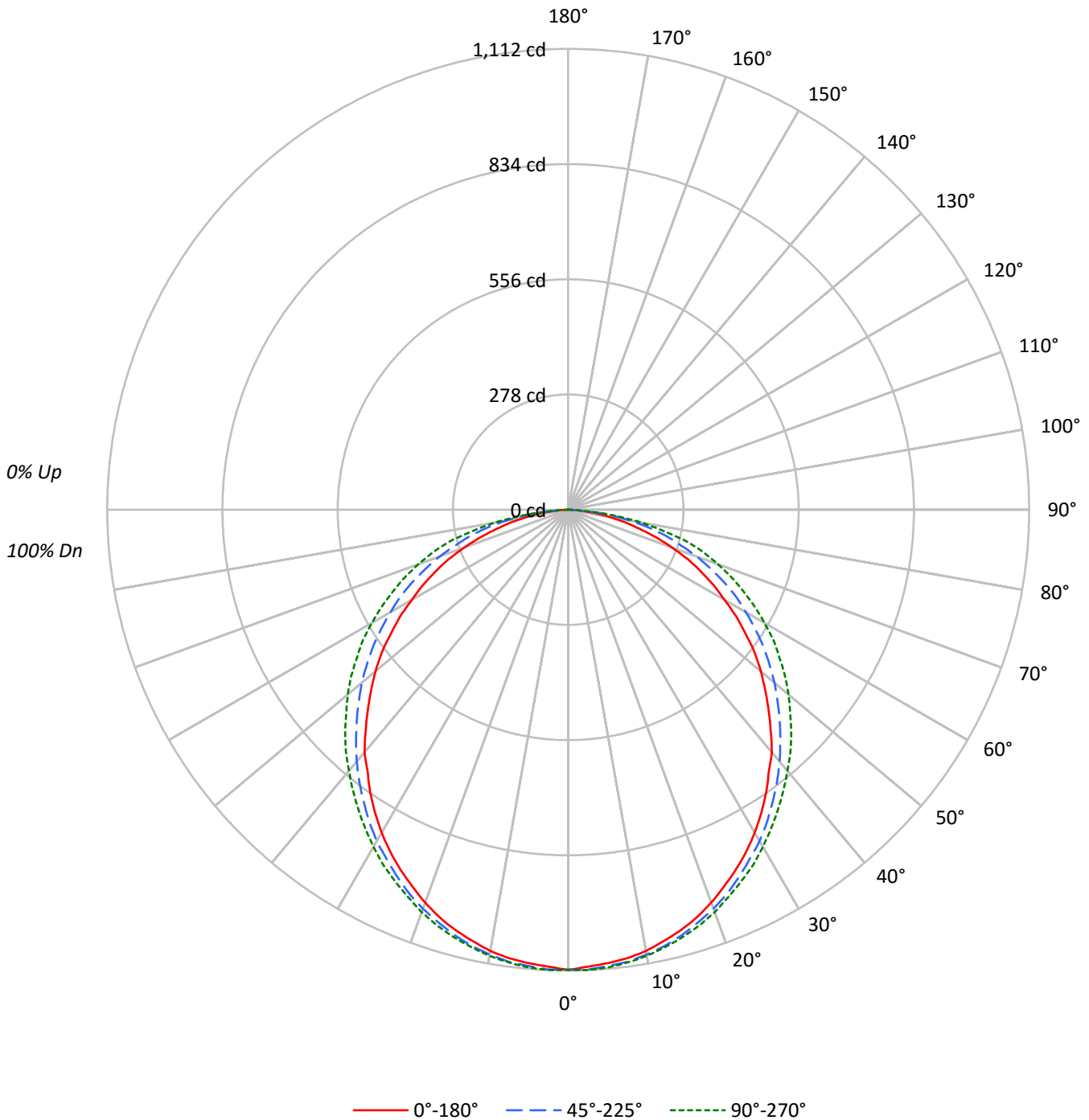
Lumens per Lamp: N/A
Luminaire Lumens: 3182.8 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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	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°	2988	2988	2988
5°	2967	2985	2995
10°	2954	2978	2987
15°	2926	2959	2974
20°	2890	2934	2959
25°	2844	2900	2936
30°	2795	2870	2918
35°	2735	2826	2899
40°	2684	2787	2889
45°	2602	2745	2895
50°	2539	2719	2905
55°	2452	2693	2918
60°	2342	2665	2942
65°	2248	2641	2968
70°	2090	2589	3020
75°	1853	2530	3082
80°	1567	2363	2788
85°	1112	1639	1587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	3.3
10°-20°	299.1	9.4
20°-30°	449.5	14.1
30°-40°	537.7	16.9
40°-50°	557.6	17.5
50°-60°	512.9	16.1
60°-70°	407.0	12.8
70°-80°	251.4	7.9
80°-90°	62.5	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°	853.6	26.8
0°-40°	1391.3	43.7
0°-60°	2461.8	77.3
0°-90°	3182.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3182.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1098	1102	1105	1109	1109	104
15°	1050	1054	1062	1068	1068	296
25°	958	965	977	987	989	441
35°	833	841	860	877	882	521
45°	684	696	721	750	761	528
55°	523	536	574	613	622	468
65°	353	368	415	454	466	349
75°	178	202	243	281	296	191
85°	36	46	53	53	51	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1110.3	1110.3	1110.3	1110.3	1110.3
2.5°	1103.5	1105.2	1110.3	1112.0	1112.0
5°	1098.3	1101.8	1105.2	1108.6	1108.6
7.5°	1091.5	1094.9	1100.0	1101.8	1101.8
10°	1081.2	1084.6	1089.8	1093.2	1093.2
12.5°	1065.8	1070.9	1077.8	1081.2	1081.2
15°	1050.4	1053.8	1062.3	1067.5	1067.5
17.5°	1031.5	1034.9	1043.5	1050.4	1052.1
20°	1009.2	1012.7	1024.7	1031.5	1033.2
22.5°	983.5	988.7	1002.4	1009.2	1010.9
25°	957.8	964.7	976.7	987.0	988.7
27.5°	930.4	937.3	949.3	963.0	966.4
30°	899.6	906.4	923.6	935.6	939.0
32.5°	867.0	875.6	892.7	908.1	911.6
35°	832.7	841.3	860.2	877.3	882.4
37.5°	795.0	807.0	827.6	846.5	853.3
40°	764.2	771.1	793.3	815.6	822.5
42.5°	723.1	733.4	757.4	783.1	793.3
45°	683.7	695.7	721.4	750.5	760.8
47.5°	644.3	656.3	685.4	716.2	726.5
50°	606.6	616.8	649.4	683.7	694.0
52.5°	567.2	577.4	611.7	649.4	659.7
55°	522.6	536.3	574.0	613.4	622.0
57.5°	481.5	495.2	534.6	572.3	587.7
60°	435.2	452.4	495.2	532.9	546.6
62.5°	395.8	409.5	457.5	495.2	507.2
65°	353.0	368.4	414.7	454.1	466.1
67.5°	311.9	327.3	371.8	411.2	426.7
70°	265.6	282.7	329.0	368.4	383.8
72.5°	222.8	243.3	284.4	325.6	342.7
75°	178.2	202.2	243.3	281.0	296.4
77.5°	138.8	159.4	198.8	224.5	233.0
80°	101.1	121.7	152.5	169.6	179.9
82.5°	68.5	80.5	104.5	116.5	116.5
85°	36.0	46.3	53.1	53.1	51.4
87.5°	12.0	13.7	10.3	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)