

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: P302176

Luminaire Tested: **RX-WO-29L840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302176
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-29L840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

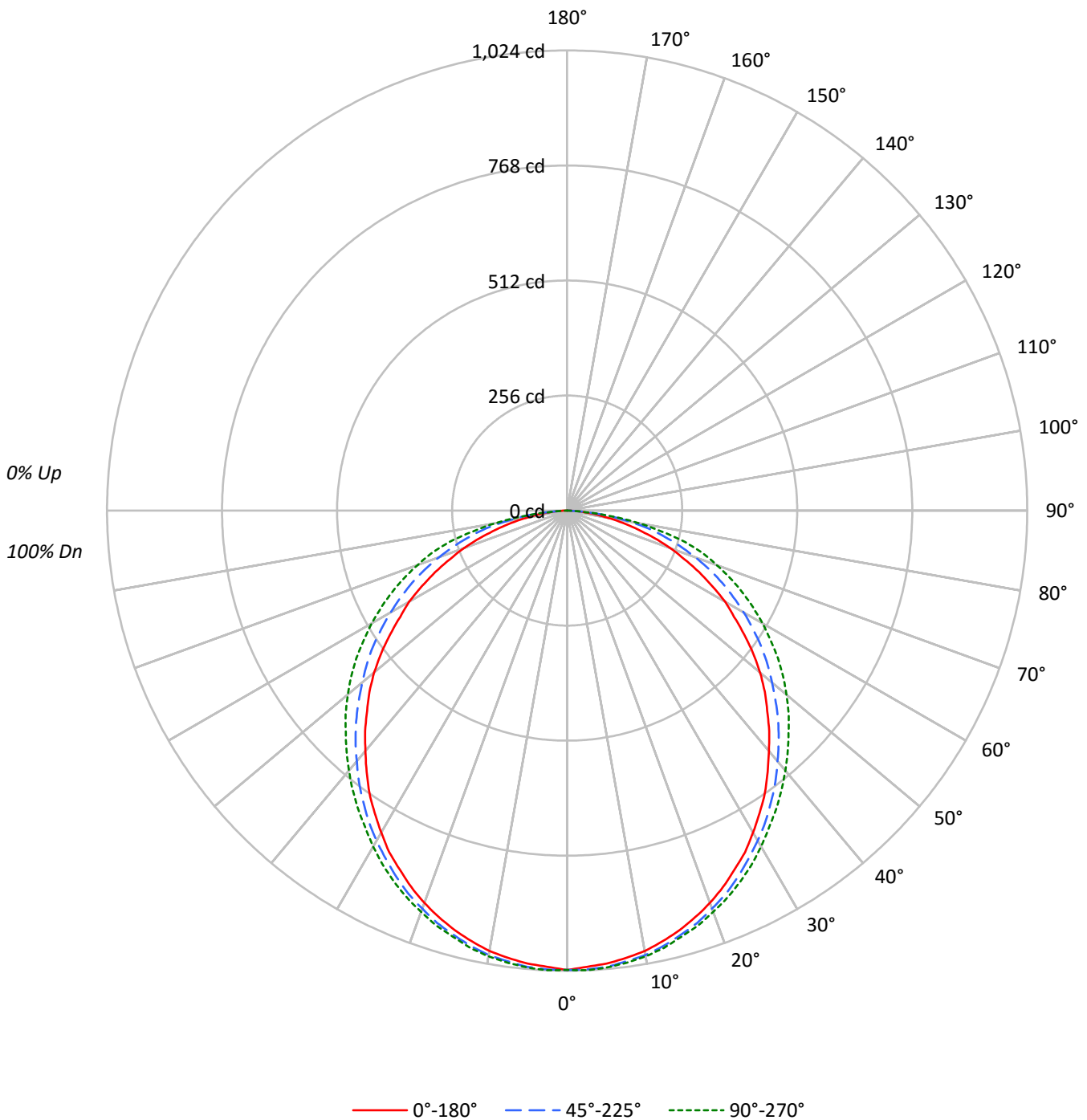
Lumens per Lamp: N/A
Luminaire Lumens: 2926.4 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 22.2
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	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					100			
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2751	2751	2751
5°	2733	2753	2757
10°	2719	2744	2752
15°	2693	2722	2735
20°	2661	2700	2721
25°	2617	2670	2706
30°	2571	2636	2683
35°	2521	2600	2664
40°	2453	2559	2654
45°	2396	2527	2652
50°	2346	2491	2667
55°	2257	2475	2686
60°	2186	2444	2702
65°	2061	2424	2739
70°	1922	2382	2783
75°	1699	2337	2836
80°	1416	2183	2532
85°	1065	1482	1343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	3.3
10°-20°	275.4	9.4
20°-30°	413.8	14.1
30°-40°	494.4	16.9
40°-50°	512.6	17.5
50°-60°	470.8	16.1
60°-70°	373.9	12.8
70°-80°	232.1	7.9
80°-90°	56.7	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°	785.8	26.9
0°-40°	1280.2	43.7
0°-60°	2263.6	77.4
0°-90°	2926.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1012	1015	1019	1021	1021	96
15°	967	970	977	982	982	273
25°	881	887	899	910	911	406
35°	767	775	791	806	811	479
45°	630	638	664	689	697	487
55°	481	493	528	560	572	431
65°	324	339	381	417	430	320
75°	163	184	225	259	273	175
85°	34	42	48	46	44	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.2	1022.2	1022.2	1022.2	1022.2
2.5°	1016.2	1017.7	1022.2	1025.2	1023.7
5°	1011.7	1014.7	1019.2	1020.7	1020.7
7.5°	1004.2	1007.2	1011.7	1014.7	1014.7
10°	995.2	998.2	1004.2	1007.2	1007.2
12.5°	981.7	984.7	992.2	995.2	996.7
15°	966.7	969.7	977.2	981.7	981.7
17.5°	948.7	953.2	962.2	966.7	968.2
20°	929.2	933.7	942.7	948.7	950.2
22.5°	906.8	911.3	923.2	930.7	932.2
25°	881.3	887.3	899.3	909.8	911.3
27.5°	857.3	861.8	873.8	884.3	888.8
30°	827.3	834.8	848.3	860.3	863.3
32.5°	797.3	806.3	821.3	834.8	836.3
35°	767.4	774.9	791.4	806.3	810.8
37.5°	732.9	740.4	761.4	777.9	783.9
40°	698.4	708.9	728.4	747.9	755.4
42.5°	665.5	675.9	696.9	719.4	726.9
45°	629.5	638.5	664.0	689.4	696.9
47.5°	596.5	604.0	629.5	659.5	668.5
50°	560.5	566.5	595.0	628.0	637.0
52.5°	521.6	530.6	562.0	595.0	605.5
55°	481.1	493.1	527.6	560.5	572.5
57.5°	440.6	454.1	490.1	526.1	536.6
60°	406.2	415.2	454.1	490.1	502.1
62.5°	364.2	377.7	416.7	454.1	466.1
65°	323.7	338.7	380.7	416.7	430.1
67.5°	281.8	299.8	343.2	377.7	392.7
70°	244.3	262.3	302.8	338.7	353.7
72.5°	203.8	223.3	263.8	301.3	317.7
75°	163.4	184.3	224.8	259.3	272.8
77.5°	127.4	148.4	185.8	209.8	215.8
80°	91.4	109.4	140.9	157.4	163.4
82.5°	61.4	74.9	95.9	101.9	104.9
85°	34.5	42.0	48.0	46.5	43.5
87.5°	15.0	12.0	10.5	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)