

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: P302022

Luminaire Tested: **RX-WO-29L830-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302022
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-29L830-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

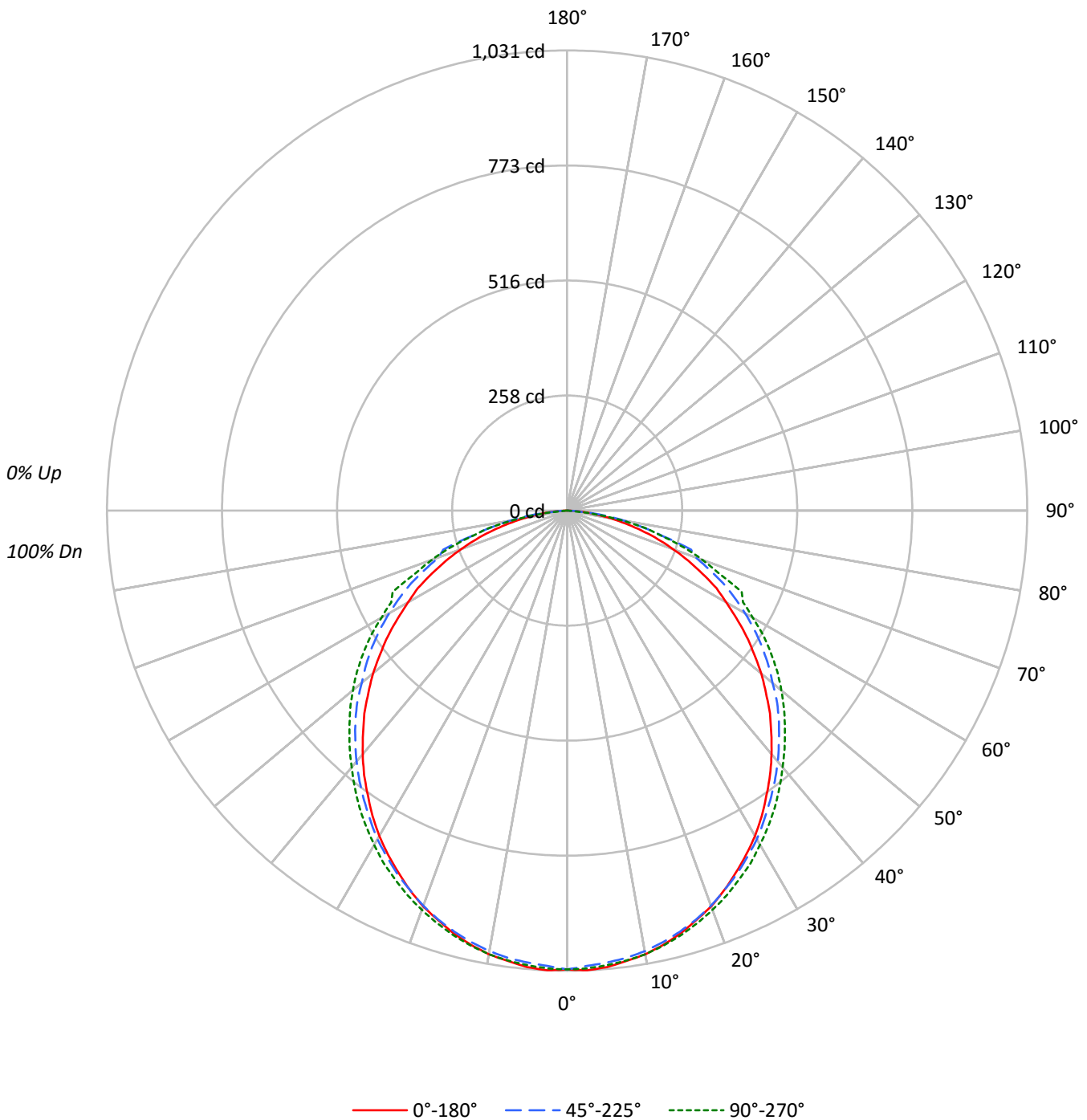
Lumens per Lamp: N/A
Luminaire Lumens: 2923.1 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
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°	2767	2767	2767
5°	2773	2746	2761
10°	2758	2739	2758
15°	2732	2720	2744
20°	2702	2698	2727
25°	2657	2669	2708
30°	2615	2642	2687
35°	2558	2605	2666
40°	2503	2579	2639
45°	2445	2554	2625
50°	2377	2515	2623
55°	2301	2502	2617
60°	2215	2477	2585
65°	2127	2456	2748
70°	1986	2403	2538
75°	1789	2326	2281
80°	1511	1999	1889
85°	1105	973	355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	3.3
10°-20°	276.7	9.5
20°-30°	416.0	14.2
30°-40°	497.6	17.0
40°-50°	515.9	17.6
50°-60°	473.1	16.2
60°-70°	376.3	12.9
70°-80°	223.6	7.6
80°-90°	46.9	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°	789.8	27.0
0°-40°	1287.3	44.0
0°-60°	2276.3	77.9
0°-90°	2923.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1027	1024	1017	1024	1022	97
15°	981	979	976	985	985	277
25°	895	896	899	912	912	412
35°	779	783	793	809	812	488
45°	642	652	671	685	690	495
55°	490	508	533	555	558	438
65°	334	354	386	402	432	331
75°	172	196	224	222	219	183
85°	36	44	32	17	12	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.1	1028.1	1028.1	1028.1	1028.1
2.5°	1030.9	1028.1	1020.9	1028.1	1026.6
5°	1026.6	1023.8	1016.6	1023.8	1022.3
7.5°	1018.0	1016.6	1010.9	1018.0	1016.6
10°	1009.4	1006.6	1002.3	1009.4	1009.4
12.5°	996.5	993.7	990.8	999.4	998.0
15°	980.8	979.3	976.5	985.1	985.1
17.5°	962.1	962.1	960.7	969.3	969.3
20°	943.5	942.0	942.0	952.1	952.1
22.5°	920.5	920.5	920.5	933.4	933.4
25°	894.7	896.2	899.0	911.9	911.9
27.5°	868.9	871.8	874.7	887.6	890.4
30°	841.7	843.1	850.3	863.2	864.6
32.5°	811.6	814.4	821.6	835.9	838.8
35°	778.6	782.9	792.9	808.7	811.6
37.5°	747.0	752.8	764.2	780.0	781.5
40°	712.6	719.8	734.1	748.5	751.3
42.5°	676.8	685.4	702.6	718.4	721.2
45°	642.4	652.4	671.0	685.4	689.7
47.5°	603.7	615.1	638.1	655.3	659.6
50°	567.8	579.3	600.8	622.3	626.6
52.5°	527.7	543.4	567.8	589.3	593.6
55°	490.4	507.6	533.4	554.9	557.8
57.5°	450.2	468.9	497.5	517.6	521.9
60°	411.5	431.6	460.3	478.9	480.3
62.5°	377.1	394.3	423.0	440.2	444.5
65°	334.1	354.2	385.7	401.5	431.6
67.5°	293.9	314.0	344.1	397.2	368.5
70°	252.4	275.3	305.4	319.8	322.6
72.5°	213.6	236.6	291.1	275.3	273.9
75°	172.1	196.4	223.7	222.2	219.4
77.5°	133.3	159.2	174.9	176.4	176.4
80°	97.5	129.0	129.0	129.0	121.9
82.5°	63.1	83.2	83.2	71.7	64.5
85°	35.8	44.4	31.5	17.2	11.5
87.5°	12.9	10.0	2.9	2.9	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)