

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: P302034

Luminaire Tested: **RX-WO-29L840-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302034
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-29L840-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

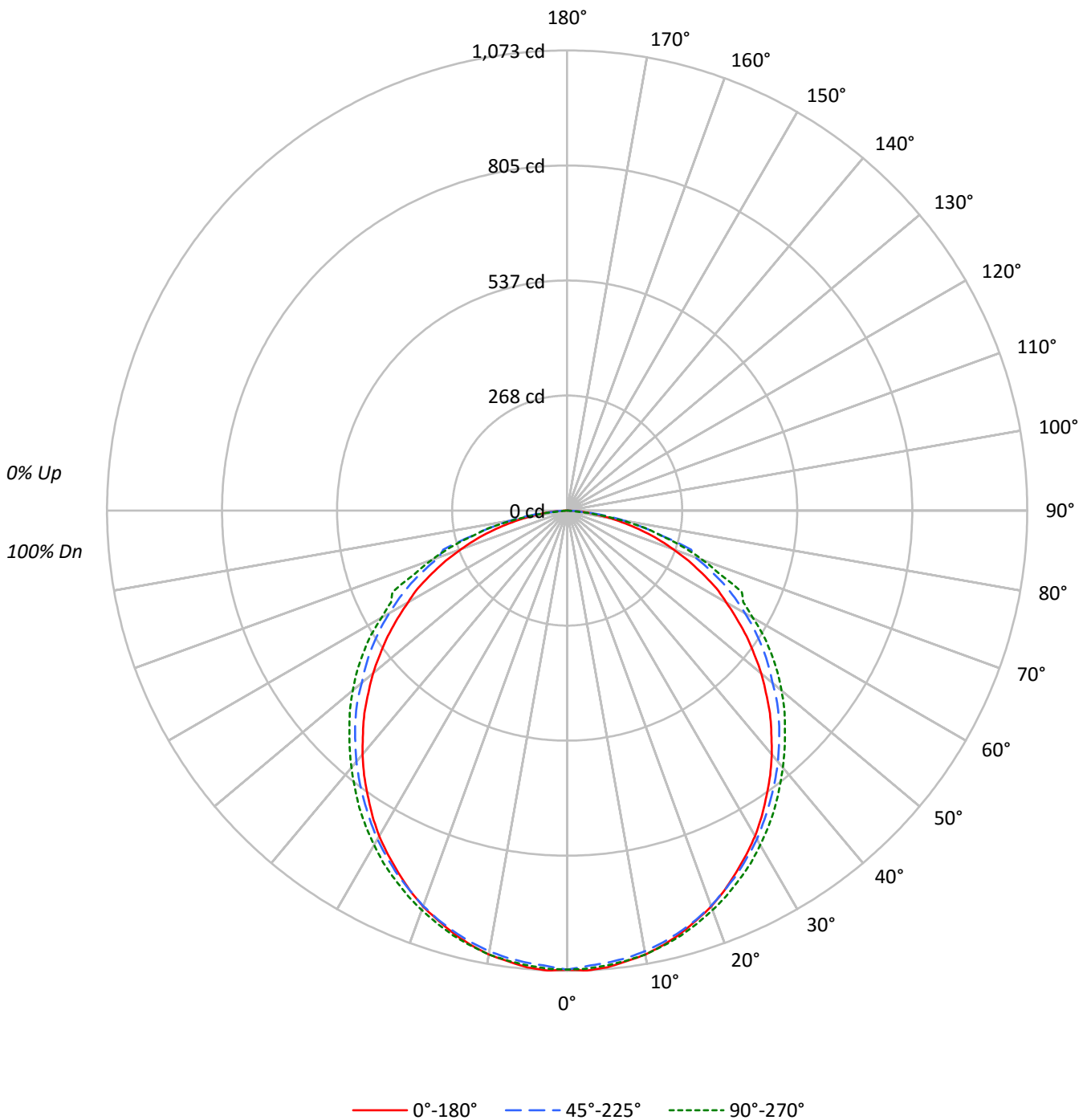
Lumens per Lamp: N/A
Luminaire Lumens: 3043.6 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2880	2880	2880
5°	2888	2859	2875
10°	2872	2852	2872
15°	2845	2832	2858
20°	2813	2809	2839
25°	2766	2779	2819
30°	2723	2751	2797
35°	2663	2712	2776
40°	2607	2685	2748
45°	2545	2659	2733
50°	2475	2619	2731
55°	2396	2606	2725
60°	2306	2579	2692
65°	2215	2557	2862
70°	2068	2502	2643
75°	1863	2421	2375
80°	1573	2083	1967
85°	1152	1013	367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	3.3
10°-20°	288.1	9.5
20°-30°	433.1	14.2
30°-40°	518.1	17.0
40°-50°	537.1	17.6
50°-60°	492.6	16.2
60°-70°	391.8	12.9
70°-80°	232.8	7.6
80°-90°	48.8	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°	822.3	27.0
0°-40°	1340.4	44.0
0°-60°	2370.1	77.9
0°-90°	3043.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3043.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1069	1066	1058	1066	1064	101
15°	1021	1020	1017	1026	1026	288
25°	932	933	936	950	950	430
35°	811	815	826	842	845	508
45°	669	679	699	714	718	515
55°	511	528	555	578	581	456
65°	348	369	402	418	449	344
75°	179	204	233	231	228	190
85°	37	46	33	18	12	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1070.4	1070.4	1070.4	1070.4	1070.4
2.5°	1073.4	1070.4	1063.0	1070.4	1069.0
5°	1069.0	1066.0	1058.5	1066.0	1064.5
7.5°	1060.0	1058.5	1052.5	1060.0	1058.5
10°	1051.0	1048.0	1043.6	1051.0	1051.0
12.5°	1037.6	1034.6	1031.6	1040.6	1039.1
15°	1021.2	1019.7	1016.7	1025.7	1025.7
17.5°	1001.8	1001.8	1000.3	1009.2	1009.2
20°	982.4	980.9	980.9	991.3	991.3
22.5°	958.5	958.5	958.5	971.9	971.9
25°	931.6	933.1	936.1	949.5	949.5
27.5°	904.7	907.7	910.7	924.1	927.1
30°	876.4	877.9	885.3	898.8	900.2
32.5°	845.0	848.0	855.5	870.4	873.4
35°	810.7	815.1	825.6	842.0	845.0
37.5°	777.8	783.8	795.7	812.2	813.7
40°	742.0	749.5	764.4	779.3	782.3
42.5°	704.7	713.6	731.5	748.0	751.0
45°	668.8	679.3	698.7	713.6	718.1
47.5°	628.5	640.5	664.4	682.3	686.8
50°	591.2	603.2	625.5	647.9	652.4
52.5°	549.4	565.8	591.2	613.6	618.1
55°	510.6	528.5	555.4	577.8	580.8
57.5°	468.8	488.2	518.1	539.0	543.4
60°	428.5	449.4	479.2	498.6	500.1
62.5°	392.6	410.6	440.4	458.3	462.8
65°	347.9	368.8	401.6	418.0	449.4
67.5°	306.1	327.0	358.3	413.5	383.7
70°	262.8	286.6	318.0	332.9	335.9
72.5°	222.4	246.3	303.1	286.6	285.2
75°	179.2	204.5	232.9	231.4	228.4
77.5°	138.8	165.7	182.1	183.6	183.6
80°	101.5	134.4	134.4	134.4	126.9
82.5°	65.7	86.6	86.6	74.6	67.2
85°	37.3	46.3	32.8	17.9	11.9
87.5°	13.4	10.5	3.0	3.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)