

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: P302028

Luminaire Tested: **RX-WO-29L835-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302028
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-29L835-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

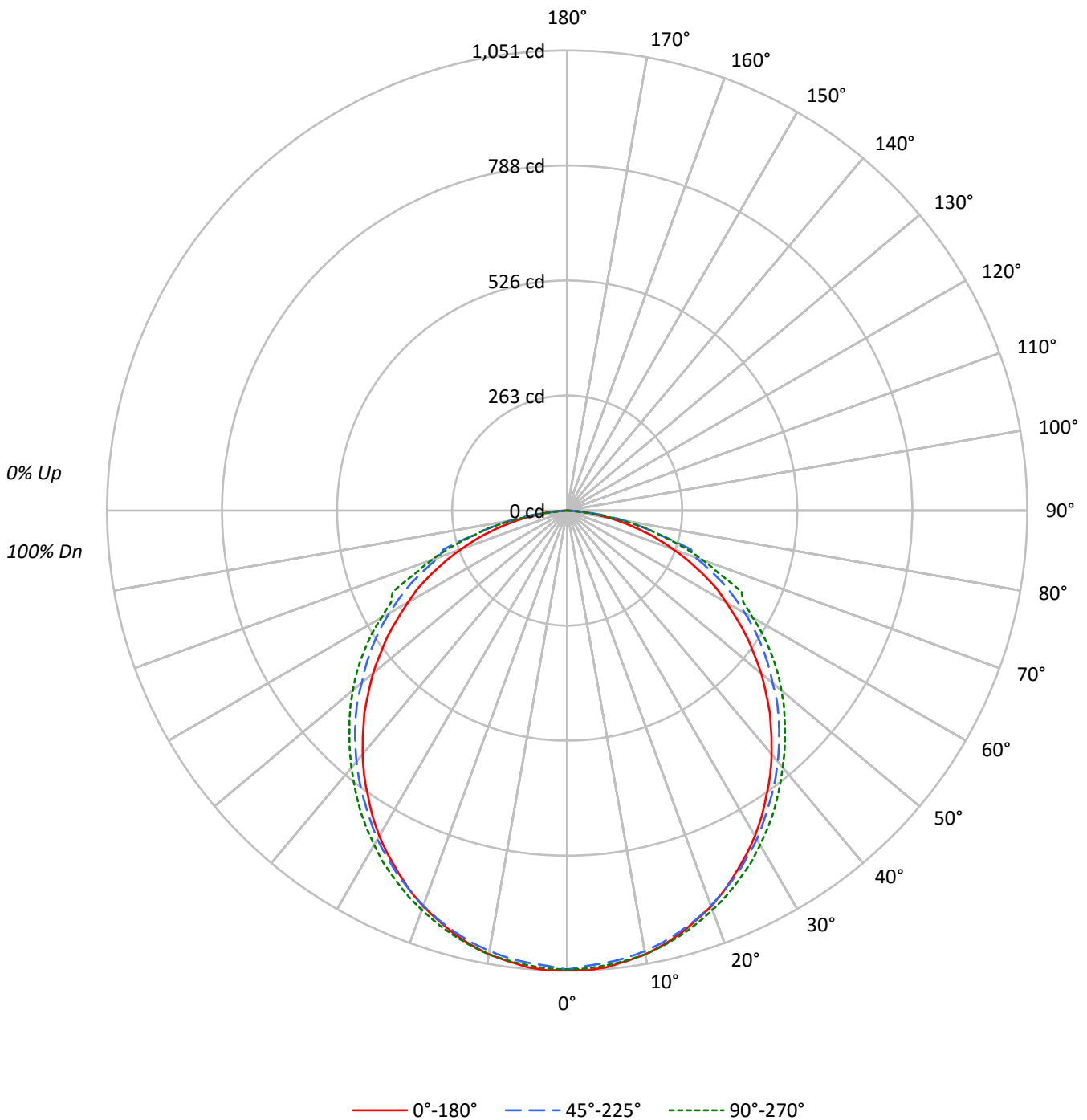
Lumens per Lamp: N/A
Luminaire Lumens: 2980.2 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2821	2821	2821
5°	2827	2800	2816
10°	2812	2792	2812
15°	2786	2773	2798
20°	2755	2750	2780
25°	2708	2722	2760
30°	2666	2694	2739
35°	2608	2656	2718
40°	2552	2629	2691
45°	2492	2604	2676
50°	2424	2564	2674
55°	2346	2551	2668
60°	2258	2526	2636
65°	2169	2504	2802
70°	2024	2450	2588
75°	1824	2372	2326
80°	1540	2039	1926
85°	1127	994	361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	3.3
10°-20°	282.1	9.5
20°-30°	424.1	14.2
30°-40°	507.3	17.0
40°-50°	526.0	17.6
50°-60°	482.3	16.2
60°-70°	383.7	12.9
70°-80°	228.0	7.7
80°-90°	47.8	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°	805.2	27.0
0°-40°	1312.5	44.0
0°-60°	2320.8	77.9
0°-90°	2980.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2980.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1048	1048	1048	1048	1048	
5°	1047	1044	1036	1044	1042	99
15°	1000	998	996	1004	1004	282
25°	912	914	917	930	930	421
35°	794	798	808	824	827	497
45°	655	665	684	699	703	504
55°	500	518	544	566	569	446
65°	341	361	393	409	440	337
75°	175	200	228	227	224	187
85°	36	45	32	18	12	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1048.2	1048.2	1048.2	1048.2	1048.2
2.5°	1051.1	1048.2	1040.8	1048.2	1046.7
5°	1046.7	1043.8	1036.5	1043.8	1042.3
7.5°	1037.9	1036.5	1030.6	1037.9	1036.5
10°	1029.2	1026.2	1021.8	1029.2	1029.2
12.5°	1016.0	1013.1	1010.1	1018.9	1017.5
15°	999.9	998.5	995.5	1004.3	1004.3
17.5°	980.9	980.9	979.4	988.2	988.2
20°	961.9	960.4	960.4	970.7	970.7
22.5°	938.5	938.5	938.5	951.7	951.7
25°	912.2	913.7	916.6	929.7	929.7
27.5°	885.9	888.8	891.7	904.9	907.8
30°	858.1	859.6	866.9	880.0	881.5
32.5°	827.4	830.3	837.6	852.3	855.2
35°	793.8	798.2	808.4	824.5	827.4
37.5°	761.6	767.5	779.2	795.3	796.7
40°	726.5	733.9	748.5	763.1	766.0
42.5°	690.0	698.8	716.3	732.4	735.3
45°	654.9	665.1	684.2	698.8	703.2
47.5°	615.4	627.1	650.5	668.1	672.5
50°	578.9	590.6	612.5	634.4	638.8
52.5°	538.0	554.0	578.9	600.8	605.2
55°	500.0	517.5	543.8	565.7	568.7
57.5°	459.0	478.0	507.3	527.7	532.1
60°	419.6	440.0	469.3	488.3	489.7
62.5°	384.5	402.0	431.2	448.8	453.2
65°	340.6	361.1	393.2	409.3	440.0
67.5°	299.7	320.1	350.8	404.9	375.7
70°	257.3	280.7	311.4	326.0	328.9
72.5°	217.8	241.2	296.8	280.7	279.2
75°	175.4	200.3	228.1	226.6	223.7
77.5°	136.0	162.3	178.3	179.8	179.8
80°	99.4	131.6	131.6	131.6	124.3
82.5°	64.3	84.8	84.8	73.1	65.8
85°	36.5	45.3	32.2	17.5	11.7
87.5°	13.2	10.2	2.9	2.9	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)