

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: P302093

Luminaire Tested: **RX-WO-29H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302093
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-29H830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

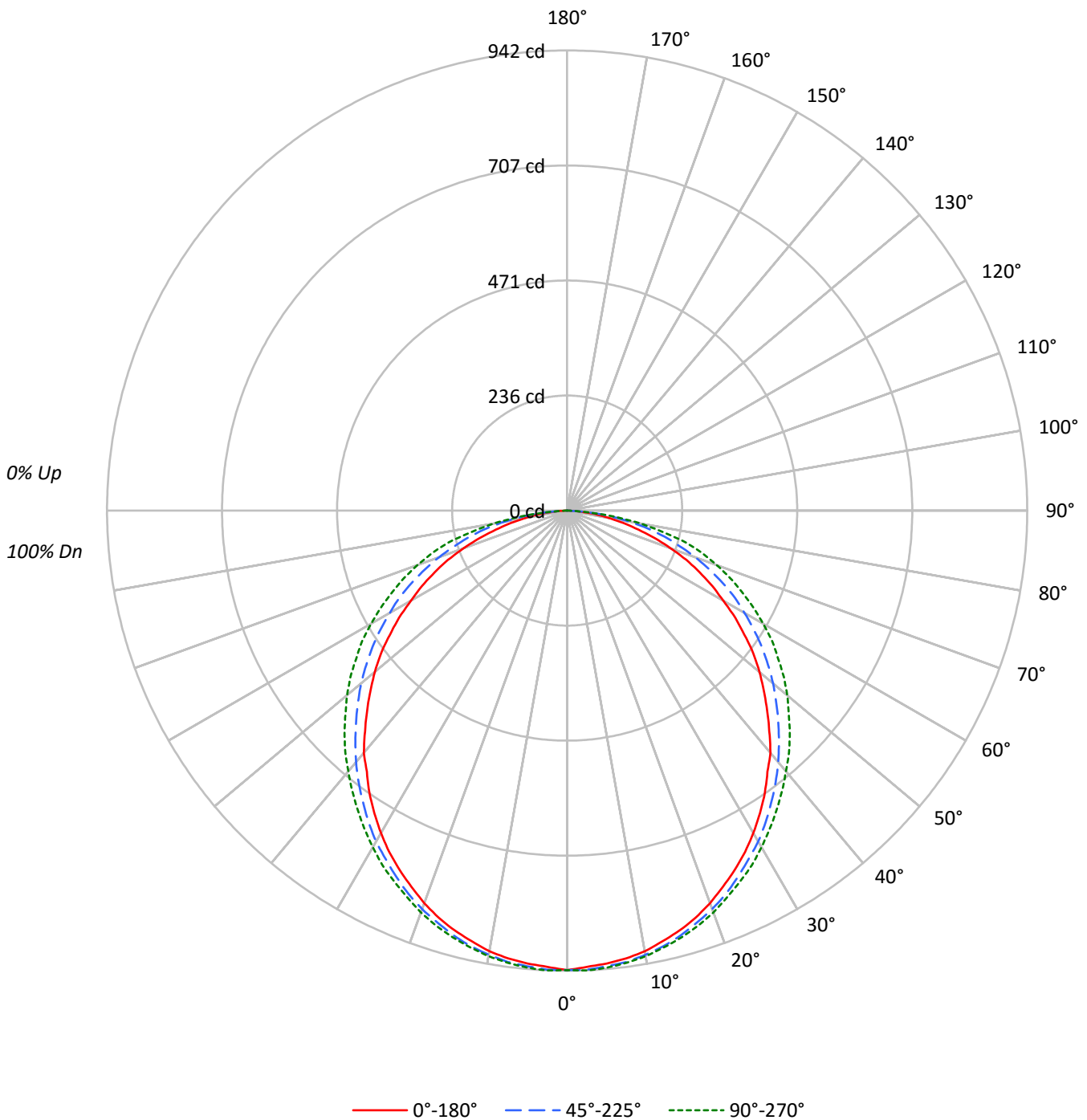
Lumens per Lamp: N/A
Luminaire Lumens: 2696.6 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
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	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°	2531	2531	2531
5°	2514	2529	2537
10°	2503	2523	2531
15°	2479	2508	2520
20°	2449	2486	2507
25°	2409	2457	2487
30°	2368	2431	2472
35°	2318	2394	2456
40°	2275	2361	2448
45°	2205	2326	2453
50°	2151	2303	2462
55°	2077	2282	2472
60°	1984	2258	2492
65°	1904	2237	2514
70°	1770	2193	2559
75°	1570	2144	2612
80°	1328	2002	2362
85°	942	1389	1346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.3
10°-20°	253.5	9.4
20°-30°	380.8	14.1
30°-40°	455.6	16.9
40°-50°	472.5	17.5
50°-60°	434.5	16.1
60°-70°	344.9	12.8
70°-80°	213.0	7.9
80°-90°	52.9	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°	723.2	26.8
0°-40°	1178.8	43.7
0°-60°	2085.8	77.3
0°-90°	2696.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2696.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	931	934	936	939	939	88
15°	890	893	900	904	904	251
25°	812	817	828	836	838	374
35°	706	713	729	743	748	441
45°	579	589	611	636	645	447
55°	443	454	486	520	527	396
65°	299	312	351	385	395	296
75°	151	171	206	238	251	161
85°	30	39	45	45	44	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	940.7	940.7	940.7	940.7	940.7
2.5°	934.9	936.4	940.7	942.2	942.2
5°	930.6	933.5	936.4	939.3	939.3
7.5°	924.8	927.7	932.0	933.5	933.5
10°	916.1	919.0	923.3	926.2	926.2
12.5°	903.0	907.4	913.2	916.1	916.1
15°	889.9	892.8	900.1	904.4	904.4
17.5°	874.0	876.9	884.1	889.9	891.4
20°	855.1	858.0	868.2	874.0	875.4
22.5°	833.3	837.7	849.3	855.1	856.5
25°	811.5	817.3	827.5	836.2	837.7
27.5°	788.3	794.1	804.3	815.9	818.8
30°	762.2	768.0	782.5	792.7	795.6
32.5°	734.6	741.9	756.4	769.4	772.3
35°	705.6	712.8	728.8	743.3	747.7
37.5°	673.6	683.8	701.2	717.2	723.0
40°	647.5	653.3	672.2	691.0	696.8
42.5°	612.6	621.4	641.7	663.5	672.2
45°	579.3	589.4	611.2	635.9	644.6
47.5°	545.9	556.0	580.7	606.8	615.5
50°	513.9	522.6	550.2	579.3	588.0
52.5°	480.5	489.2	518.3	550.2	558.9
55°	442.8	454.4	486.3	519.7	527.0
57.5°	407.9	419.6	453.0	484.9	498.0
60°	368.7	383.3	419.6	451.5	463.1
62.5°	335.4	347.0	387.6	419.6	429.7
65°	299.1	312.1	351.3	384.7	394.9
67.5°	264.2	277.3	315.0	348.4	361.5
70°	225.0	239.5	278.7	312.1	325.2
72.5°	188.7	206.2	241.0	275.8	290.4
75°	151.0	171.3	206.2	238.1	251.2
77.5°	117.6	135.0	168.4	190.2	197.4
80°	85.7	103.1	129.2	143.7	152.4
82.5°	58.1	68.2	88.6	98.7	98.7
85°	30.5	39.2	45.0	45.0	43.6
87.5°	10.2	11.6	8.7	4.4	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)