

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: P302105

Luminaire Tested: **RX-WO-29H840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302105
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-29H840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

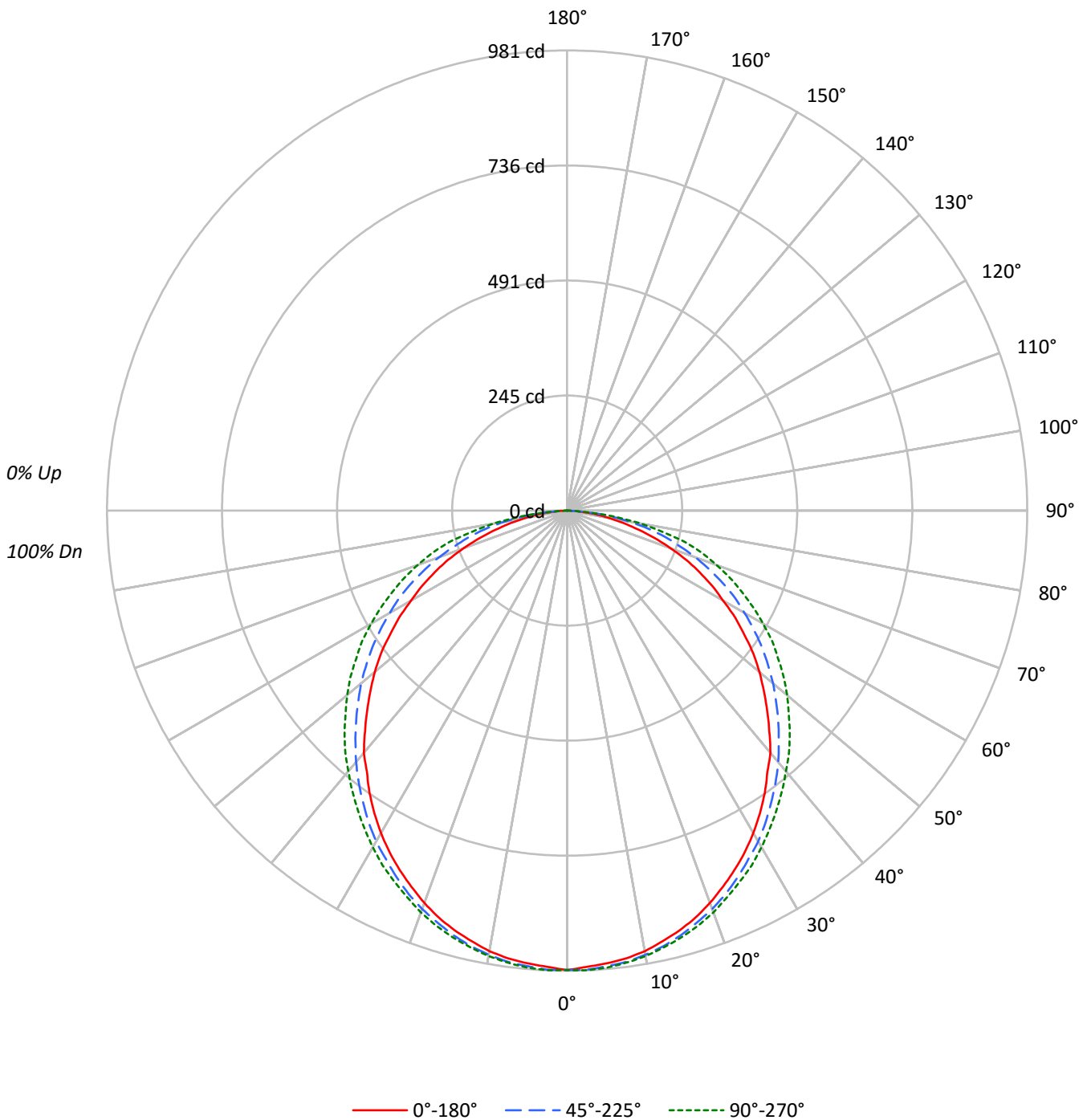
Lumens per Lamp: N/A
Luminaire Lumens: 2807.7 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (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	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°	2636	2636	2636
5°	2617	2634	2642
10°	2606	2627	2635
15°	2581	2611	2623
20°	2550	2588	2610
25°	2509	2558	2590
30°	2466	2531	2574
35°	2413	2493	2557
40°	2368	2459	2549
45°	2295	2422	2554
50°	2240	2398	2563
55°	2163	2376	2574
60°	2066	2351	2595
65°	1983	2329	2618
70°	1843	2283	2664
75°	1634	2231	2719
80°	1382	2084	2459
85°	979	1448	1399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	3.3
10°-20°	263.9	9.4
20°-30°	396.5	14.1
30°-40°	474.4	16.9
40°-50°	491.9	17.5
50°-60°	452.4	16.1
60°-70°	359.1	12.8
70°-80°	221.8	7.9
80°-90°	55.1	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°	753.0	26.8
0°-40°	1227.4	43.7
0°-60°	2171.8	77.3
0°-90°	2807.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2807.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	969	972	975	978	978	92
15°	927	930	937	942	942	261
25°	845	851	862	871	872	389
35°	735	742	759	774	778	459
45°	603	614	636	662	671	466
55°	461	473	506	541	549	413
65°	311	325	366	401	411	308
75°	157	178	215	248	262	168
85°	32	41	47	47	45	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	979.5	979.5	979.5	979.5	979.5
2.5°	973.5	975.0	979.5	981.0	981.0
5°	968.9	972.0	975.0	978.0	978.0
7.5°	962.9	965.9	970.4	972.0	972.0
10°	953.8	956.8	961.4	964.4	964.4
12.5°	940.2	944.7	950.8	953.8	953.8
15°	926.6	929.6	937.2	941.7	941.7
17.5°	910.0	913.0	920.6	926.6	928.1
20°	890.3	893.4	903.9	910.0	911.5
22.5°	867.7	872.2	884.3	890.3	891.8
25°	845.0	851.0	861.6	870.7	872.2
27.5°	820.8	826.8	837.4	849.5	852.5
30°	793.6	799.6	814.7	825.3	828.4
32.5°	764.9	772.4	787.5	801.1	804.2
35°	734.6	742.2	758.8	773.9	778.5
37.5°	701.4	712.0	730.1	746.7	752.8
40°	674.2	680.2	699.9	719.5	725.6
42.5°	637.9	647.0	668.1	690.8	699.9
45°	603.1	613.7	636.4	662.1	671.1
47.5°	568.4	578.9	604.6	631.8	640.9
50°	535.1	544.2	572.9	603.1	612.2
52.5°	500.3	509.4	539.6	572.9	582.0
55°	461.0	473.1	506.4	541.1	548.7
57.5°	424.8	436.8	471.6	504.9	518.5
60°	383.9	399.1	436.8	470.1	482.2
62.5°	349.2	361.3	403.6	436.8	447.4
65°	311.4	325.0	365.8	400.6	411.2
67.5°	275.1	288.7	328.0	362.8	376.4
70°	234.3	249.4	290.2	325.0	338.6
72.5°	196.5	214.6	250.9	287.2	302.3
75°	157.2	178.4	214.6	247.9	261.5
77.5°	122.4	140.6	175.3	198.0	205.6
80°	89.2	107.3	134.5	149.6	158.7
82.5°	60.5	71.0	92.2	102.8	102.8
85°	31.7	40.8	46.9	46.9	45.3
87.5°	10.6	12.1	9.1	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)