

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: P302094

Luminaire Tested: **RX-WO-34H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302094
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-34H830-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

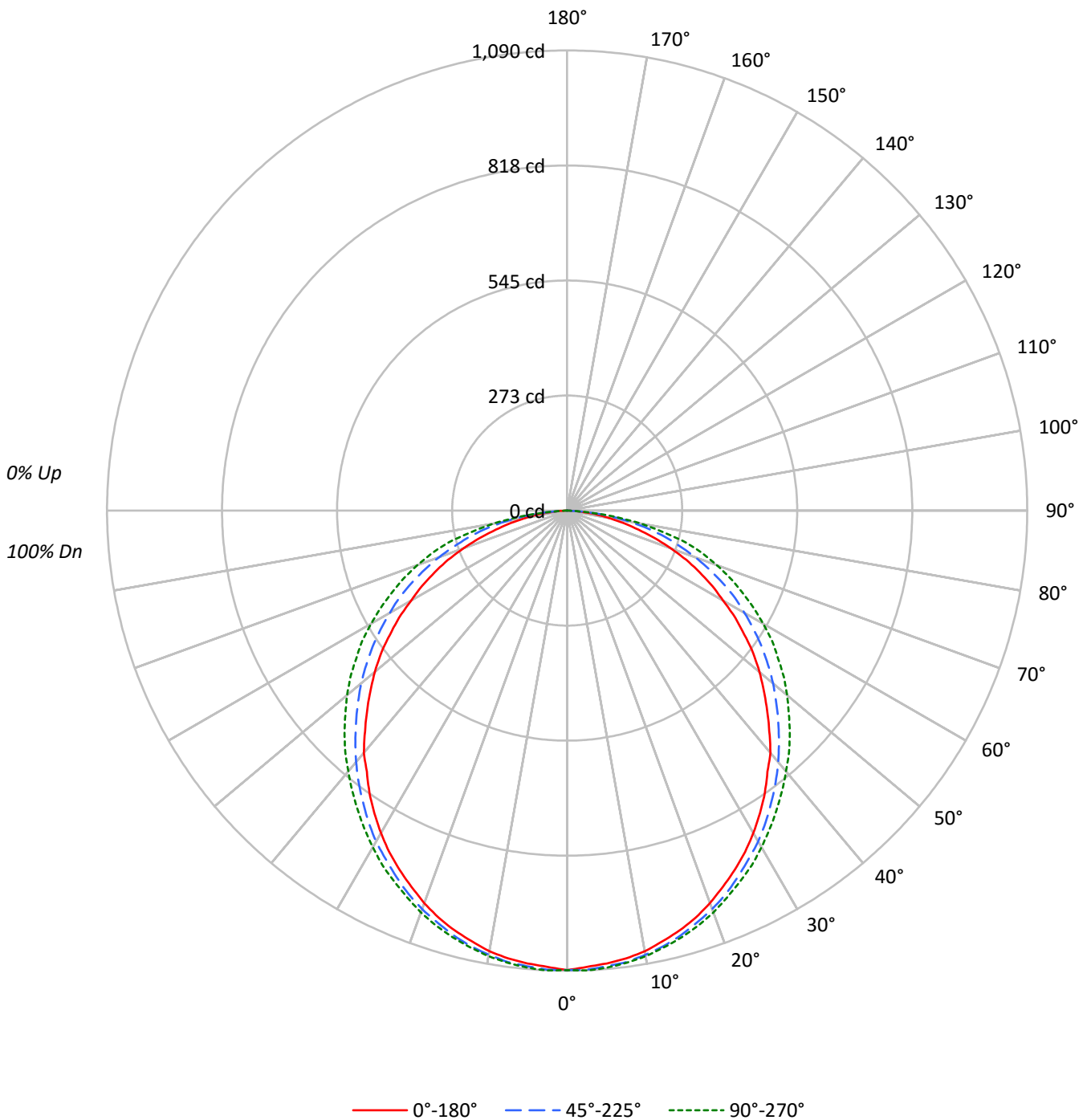
Lumens per Lamp: N/A
Luminaire Lumens: 3120.3 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.5
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°	2929	2929	2929
5°	2909	2927	2936
10°	2896	2919	2928
15°	2869	2902	2915
20°	2833	2877	2901
25°	2788	2843	2878
30°	2740	2813	2861
35°	2682	2770	2842
40°	2632	2732	2832
45°	2551	2691	2839
50°	2490	2665	2848
55°	2404	2640	2861
60°	2296	2613	2884
65°	2203	2588	2909
70°	2049	2537	2961
75°	1816	2480	3021
80°	1536	2317	2734
85°	1090	1609	1556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	3.3
10°-20°	293.3	9.4
20°-30°	440.7	14.1
30°-40°	527.2	16.9
40°-50°	546.7	17.5
50°-60°	502.8	16.1
60°-70°	399.1	12.8
70°-80°	246.5	7.9
80°-90°	61.3	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°	836.8	26.8
0°-40°	1364.0	43.7
0°-60°	2413.5	77.3
0°-90°	3120.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3120.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1077	1080	1084	1087	1087	102
15°	1030	1033	1042	1046	1046	290
25°	939	946	958	968	969	433
35°	816	825	843	860	865	511
45°	670	682	707	736	746	518
55°	512	526	563	601	610	459
65°	346	361	406	445	457	342
75°	175	198	238	276	291	187
85°	35	45	52	52	50	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.5	1088.5	1088.5	1088.5	1088.5
2.5°	1081.8	1083.5	1088.5	1090.2	1090.2
5°	1076.8	1080.1	1083.5	1086.9	1086.9
7.5°	1070.1	1073.4	1078.5	1080.1	1080.1
10°	1060.0	1063.3	1068.4	1071.7	1071.7
12.5°	1044.9	1049.9	1056.6	1060.0	1060.0
15°	1029.7	1033.1	1041.5	1046.5	1046.5
17.5°	1011.3	1014.6	1023.0	1029.7	1031.4
20°	989.4	992.8	1004.5	1011.3	1012.9
22.5°	964.2	969.3	982.7	989.4	991.1
25°	939.0	945.8	957.5	967.6	969.3
27.5°	912.2	918.9	930.6	944.1	947.4
30°	881.9	888.6	905.4	917.2	920.6
32.5°	850.0	858.4	875.2	890.3	893.7
35°	816.4	824.8	843.3	860.1	865.1
37.5°	779.4	791.2	811.4	829.8	836.6
40°	749.2	755.9	777.8	799.6	806.3
42.5°	708.9	719.0	742.5	767.7	777.8
45°	670.3	682.0	707.2	735.8	745.9
47.5°	631.6	643.4	671.9	702.2	712.3
50°	594.7	604.7	636.7	670.3	680.3
52.5°	556.0	566.1	599.7	636.7	646.7
55°	512.4	525.8	562.7	601.4	609.8
57.5°	472.0	485.5	524.1	561.1	576.2
60°	426.7	443.5	485.5	522.4	535.9
62.5°	388.0	401.5	448.5	485.5	497.2
65°	346.0	361.2	406.5	445.2	456.9
67.5°	305.7	320.9	364.5	403.2	418.3
70°	260.4	277.2	322.5	361.2	376.3
72.5°	218.4	238.5	278.9	319.2	336.0
75°	174.7	198.2	238.5	275.5	290.6
77.5°	136.1	156.2	194.9	220.1	228.5
80°	99.1	119.3	149.5	166.3	176.4
82.5°	67.2	79.0	102.5	114.2	114.2
85°	35.3	45.4	52.1	52.1	50.4
87.5°	11.8	13.4	10.1	5.0	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)