

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: P302109

Luminaire Tested: **RX-WO-20H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302109
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-20H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

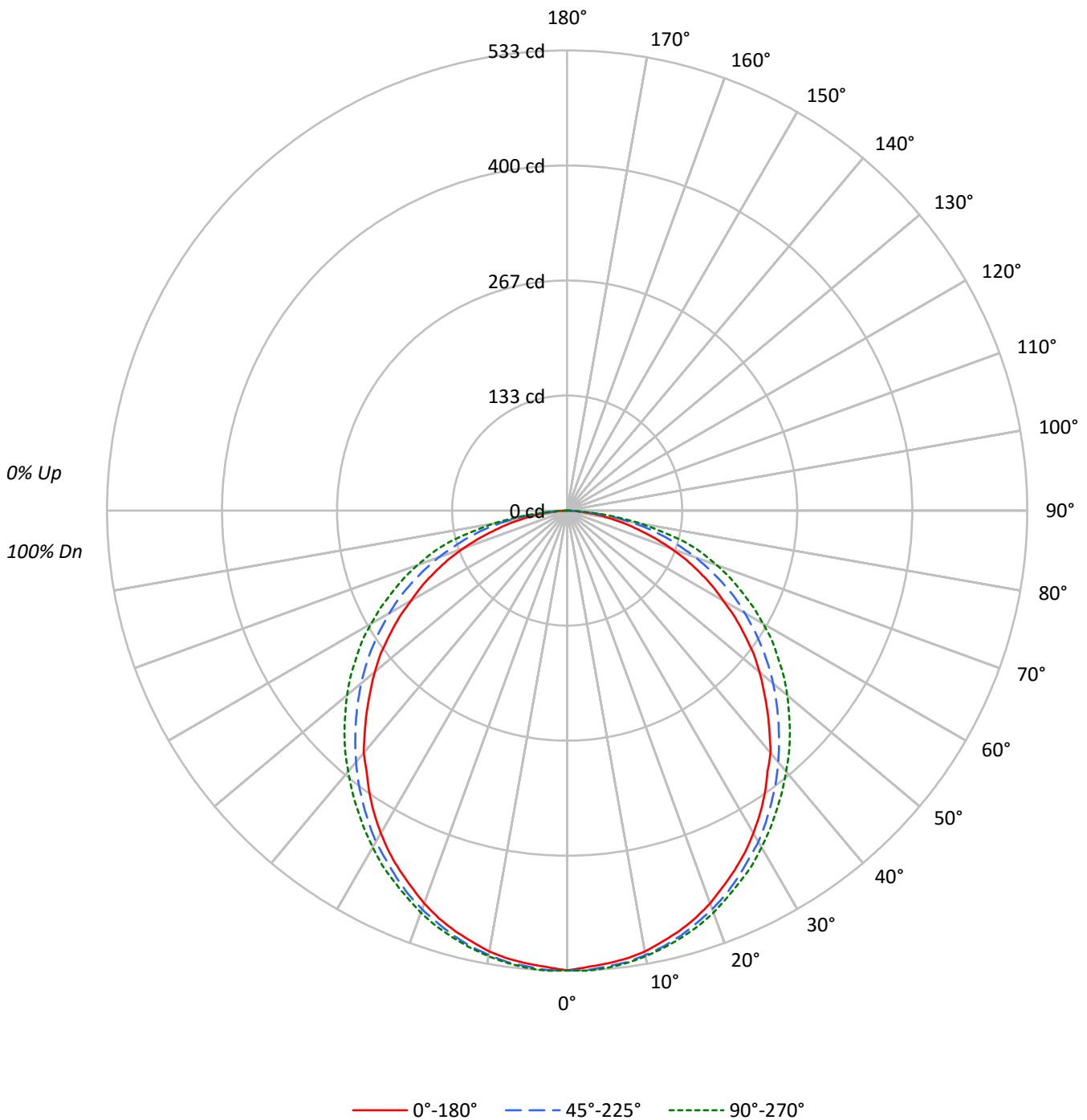
Lumens per Lamp: N/A
Luminaire Lumens: 1526.6 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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°	1433	1433	1433
5°	1423	1432	1436
10°	1417	1428	1433
15°	1404	1419	1426
20°	1386	1407	1419
25°	1364	1391	1408
30°	1341	1377	1400
35°	1312	1355	1391
40°	1287	1337	1386
45°	1248	1317	1389
50°	1218	1304	1394
55°	1176	1292	1399
60°	1124	1278	1411
65°	1078	1266	1423
70°	1002	1242	1448
75°	889	1213	1478
80°	752	1133	1337
85°	534	787	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	3.3
10°-20°	143.5	9.4
20°-30°	215.6	14.1
30°-40°	257.9	16.9
40°-50°	267.5	17.5
50°-60°	246.0	16.1
60°-70°	195.2	12.8
70°-80°	120.6	7.9
80°-90°	30.0	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°	409.4	26.8
0°-40°	667.4	43.7
0°-60°	1180.8	77.3
0°-90°	1526.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1526.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	533	533	533	533	533	
5°	527	528	530	532	532	50
15°	504	505	510	512	512	142
25°	459	463	468	473	474	212
35°	399	404	413	421	423	250
45°	328	334	346	360	365	253
55°	251	257	275	294	298	224
65°	169	177	199	218	224	167
75°	86	97	117	135	142	91
85°	17	22	26	26	25	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	532.6	532.6	532.6	532.6	532.6
2.5°	529.3	530.1	532.6	533.4	533.4
5°	526.8	528.5	530.1	531.7	531.7
7.5°	523.5	525.2	527.6	528.5	528.5
10°	518.6	520.2	522.7	524.3	524.3
12.5°	511.2	513.7	516.9	518.6	518.6
15°	503.8	505.4	509.5	512.0	512.0
17.5°	494.8	496.4	500.5	503.8	504.6
20°	484.1	485.7	491.5	494.8	495.6
22.5°	471.7	474.2	480.8	484.1	484.9
25°	459.4	462.7	468.5	473.4	474.2
27.5°	446.3	449.6	455.3	461.9	463.5
30°	431.5	434.8	443.0	448.7	450.4
32.5°	415.9	420.0	428.2	435.6	437.2
35°	399.4	403.5	412.6	420.8	423.3
37.5°	381.3	387.1	397.0	406.0	409.3
40°	366.5	369.8	380.5	391.2	394.5
42.5°	346.8	351.8	363.3	375.6	380.5
45°	327.9	333.7	346.0	360.0	364.9
47.5°	309.0	314.8	328.7	343.5	348.5
50°	290.9	295.9	311.5	327.9	332.9
52.5°	272.0	277.0	293.4	311.5	316.4
55°	250.7	257.2	275.3	294.2	298.3
57.5°	230.9	237.5	256.4	274.5	281.9
60°	208.8	217.0	237.5	255.6	262.2
62.5°	189.8	196.4	219.4	237.5	243.3
65°	169.3	176.7	198.9	217.8	223.5
67.5°	149.6	157.0	178.3	197.2	204.6
70°	127.4	135.6	157.8	176.7	184.1
72.5°	106.8	116.7	136.4	156.2	164.4
75°	85.5	97.0	116.7	134.8	142.2
77.5°	66.6	76.4	95.3	107.7	111.8
80°	48.5	58.4	73.1	81.4	86.3
82.5°	32.9	38.6	50.1	55.9	55.9
85°	17.3	22.2	25.5	25.5	24.7
87.5°	5.8	6.6	4.9	2.5	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)