

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: P302115

Luminaire Tested: **RX-WO-20H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302115
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-20H935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

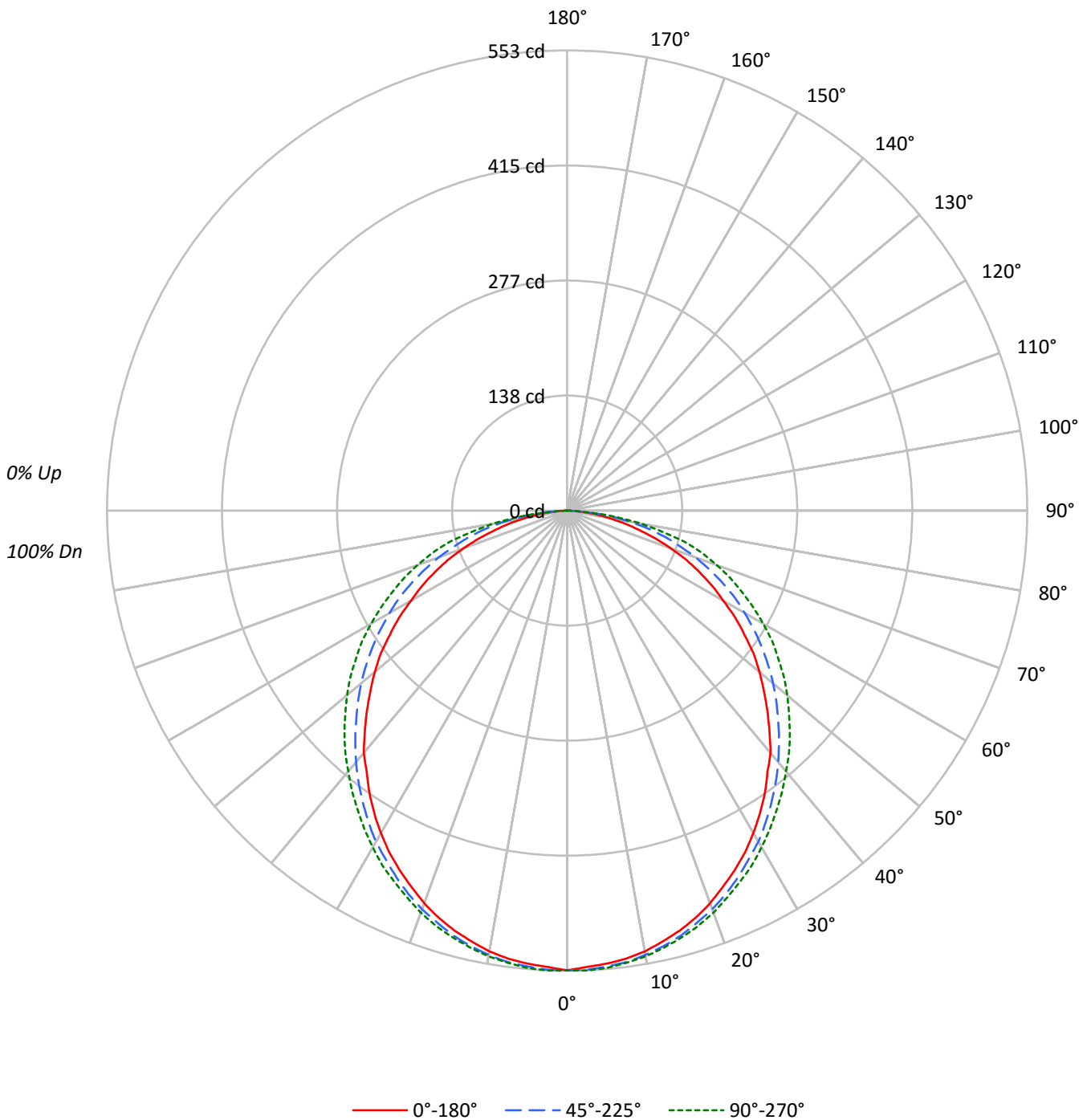
Lumens per Lamp: N/A
Luminaire Lumens: 1583.5 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1486	1486	1486
5°	1476	1485	1490
10°	1470	1482	1486
15°	1456	1473	1480
20°	1438	1460	1472
25°	1415	1443	1461
30°	1391	1428	1452
35°	1361	1406	1442
40°	1336	1387	1437
45°	1295	1366	1440
50°	1263	1353	1446
55°	1220	1340	1452
60°	1165	1326	1464
65°	1118	1314	1477
70°	1039	1288	1503
75°	922	1259	1534
80°	779	1176	1387
85°	553	815	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	3.3
10°-20°	148.8	9.4
20°-30°	223.6	14.1
30°-40°	267.6	16.9
40°-50°	277.4	17.5
50°-60°	255.2	16.1
60°-70°	202.5	12.8
70°-80°	125.1	7.9
80°-90°	31.1	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°	424.7	26.8
0°-40°	692.2	43.7
0°-60°	1224.8	77.3
0°-90°	1583.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1583.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	552	552	552	552	552	
5°	546	548	550	552	552	52
15°	523	524	529	531	531	147
25°	477	480	486	491	492	220
35°	414	419	428	436	439	259
45°	340	346	359	373	378	263
55°	260	267	286	305	310	233
65°	176	183	206	226	232	174
75°	89	101	121	140	148	95
85°	18	23	26	26	26	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	552.4	552.4	552.4	552.4	552.4
2.5°	549.0	549.9	552.4	553.3	553.3
5°	546.5	548.2	549.9	551.6	551.6
7.5°	543.0	544.8	547.3	548.2	548.2
10°	537.9	539.6	542.2	543.9	543.9
12.5°	530.3	532.8	536.2	537.9	537.9
15°	522.6	524.3	528.6	531.1	531.1
17.5°	513.2	514.9	519.2	522.6	523.4
20°	502.1	503.8	509.8	513.2	514.1
22.5°	489.3	491.9	498.7	502.1	503.0
25°	476.6	480.0	485.9	491.0	491.9
27.5°	462.9	466.3	472.3	479.1	480.8
30°	447.6	451.0	459.5	465.5	467.2
32.5°	431.4	435.6	444.2	451.8	453.5
35°	414.3	418.6	428.0	436.5	439.0
37.5°	395.6	401.5	411.8	421.1	424.6
40°	380.2	383.6	394.7	405.8	409.2
42.5°	359.8	364.9	376.8	389.6	394.7
45°	340.2	346.1	358.9	373.4	378.5
47.5°	320.5	326.5	341.0	356.3	361.5
50°	301.8	306.9	323.1	340.2	345.3
52.5°	282.2	287.3	304.3	323.1	328.2
55°	260.0	266.8	285.6	305.2	309.5
57.5°	239.6	246.4	266.0	284.7	292.4
60°	216.5	225.1	246.4	265.1	272.0
62.5°	196.9	203.8	227.6	246.4	252.3
65°	175.6	183.3	206.3	225.9	231.9
67.5°	155.2	162.8	185.0	204.6	212.3
70°	132.1	140.7	163.7	183.3	191.0
72.5°	110.8	121.1	141.5	162.0	170.5
75°	88.7	100.6	121.1	139.8	147.5
77.5°	69.1	79.3	98.9	111.7	115.9
80°	50.3	60.5	75.9	84.4	89.5
82.5°	34.1	40.1	52.0	58.0	58.0
85°	17.9	23.0	26.4	26.4	25.6
87.5°	6.0	6.8	5.1	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)