

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: P302273

Luminaire Tested: **RX-WO-35H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-35H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

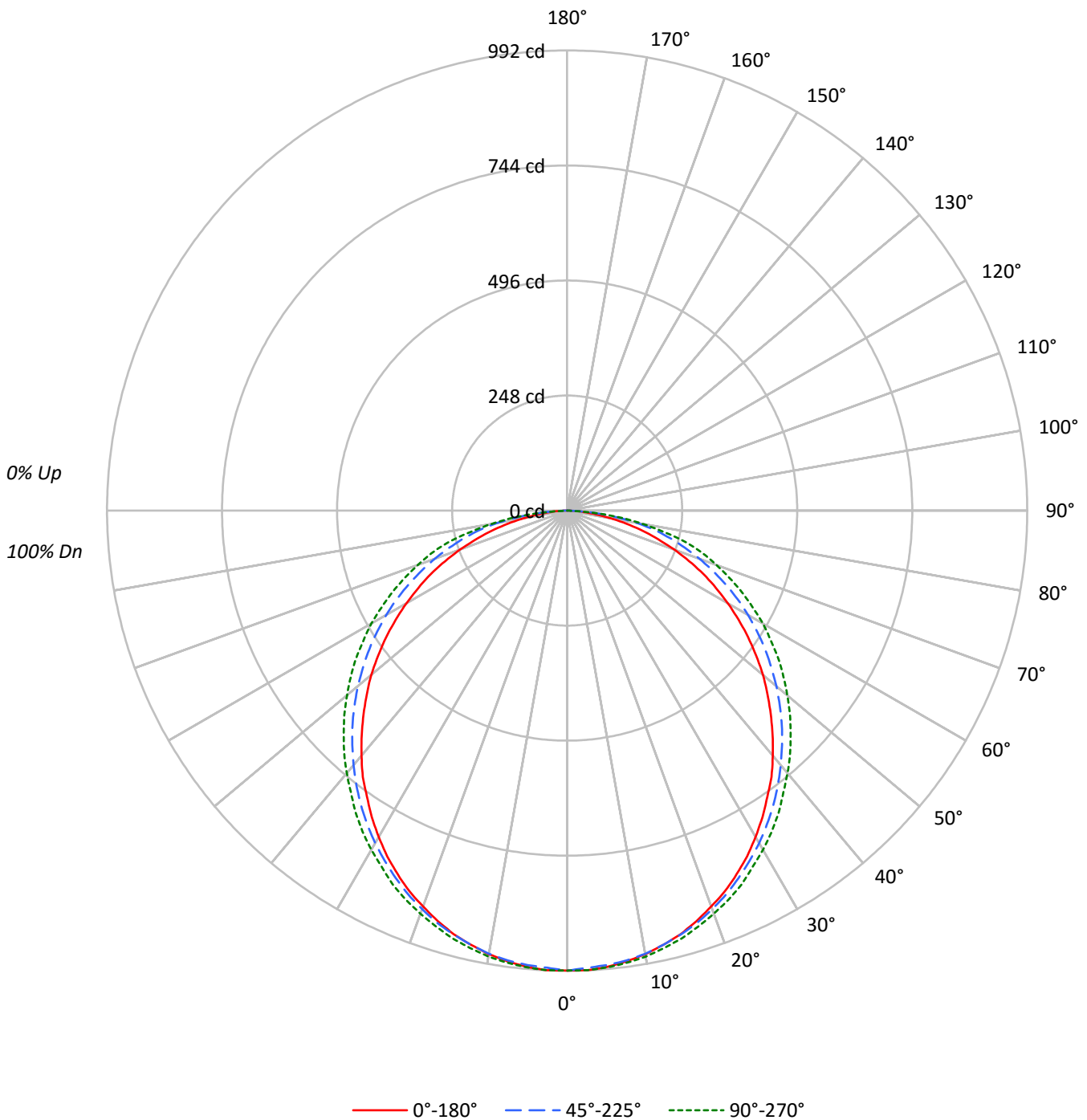
Lumens per Lamp: N/A  
Luminaire Lumens: 2886.6 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.6  
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1334	1334	1334
5°	1334	1328	1335
10°	1327	1325	1334
15°	1317	1318	1330
20°	1300	1309	1324
25°	1284	1298	1321
30°	1262	1286	1312
35°	1236	1273	1305
40°	1211	1258	1298
45°	1181	1246	1297
50°	1154	1232	1297
55°	1117	1221	1303
60°	1076	1212	1312
65°	1034	1201	1323
70°	965	1192	1346
75°	879	1195	1388
80°	727	1182	1278
85°	557	939	908



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.8	3.2
10°-20°	267.7	9.3
20°-30°	403.9	14.0
30°-40°	484.9	16.8
40°-50°	504.3	17.5
50°-60°	463.8	16.1
60°-70°	369.6	12.8
70°-80°	234.2	8.1
80°-90°	64.4	2.2
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°	765.4	26.5
0°-40°	1250.2	43.3
0°-60°	2218.3	76.8
0°-90°	2886.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2886.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	988	988	983	989	989	94
15°	945	945	946	954	955	266
25°	865	869	874	886	890	398
35°	752	761	775	790	795	471
45°	621	634	655	675	681	479
55°	476	492	521	546	556	426
65°	325	341	377	406	415	320
75°	169	191	230	259	267	178
85°	36	52	61	60	59	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	991.7	991.7	991.7	991.7	991.7
2.5°	991.7	991.7	986.5	991.7	991.7
5°	987.6	987.6	983.4	988.6	988.6
7.5°	980.3	981.4	978.3	983.4	983.4
10°	971.1	972.1	970.0	976.2	976.2
12.5°	958.7	959.7	958.7	965.9	965.9
15°	945.3	945.3	946.3	953.5	954.6
17.5°	927.8	929.8	931.9	940.1	940.1
20°	908.2	911.3	914.4	924.7	924.7
22.5°	888.6	891.7	895.8	906.1	908.2
25°	864.9	869.0	874.2	886.5	889.6
27.5°	840.2	843.2	851.5	864.9	865.9
30°	812.3	817.5	827.8	841.2	844.3
32.5°	783.5	790.7	802.0	817.5	820.6
35°	752.5	760.8	775.2	789.6	794.8
37.5°	723.7	729.8	746.3	762.8	765.9
40°	689.6	698.9	716.4	735.0	739.1
42.5°	655.6	665.9	685.5	704.1	711.3
45°	620.6	634.0	654.6	675.2	681.4
47.5°	585.5	600.0	621.6	644.3	651.5
50°	551.5	564.9	588.6	612.3	619.5
52.5°	513.4	528.8	554.6	580.4	587.6
55°	476.3	491.7	520.6	546.4	555.6
57.5°	438.1	455.6	485.5	512.3	520.6
60°	400.0	418.5	450.5	477.3	487.6
62.5°	361.8	379.4	414.4	441.2	450.5
65°	324.7	341.2	377.3	406.2	415.4
67.5°	284.5	303.1	340.2	370.1	378.3
70°	245.3	263.9	303.1	334.0	342.2
72.5°	205.1	226.8	266.0	295.9	307.2
75°	169.1	190.7	229.9	258.7	267.0
77.5°	130.9	152.6	192.8	213.4	214.4
80°	93.8	118.5	152.6	160.8	164.9
82.5°	61.9	85.6	105.1	115.5	115.5
85°	36.1	51.5	60.8	59.8	58.8
87.5°	13.4	17.5	14.4	10.3	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)