

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: P302343

Luminaire Tested: **ZX-WO-35H940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302343  
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: ZX-WO-35H940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

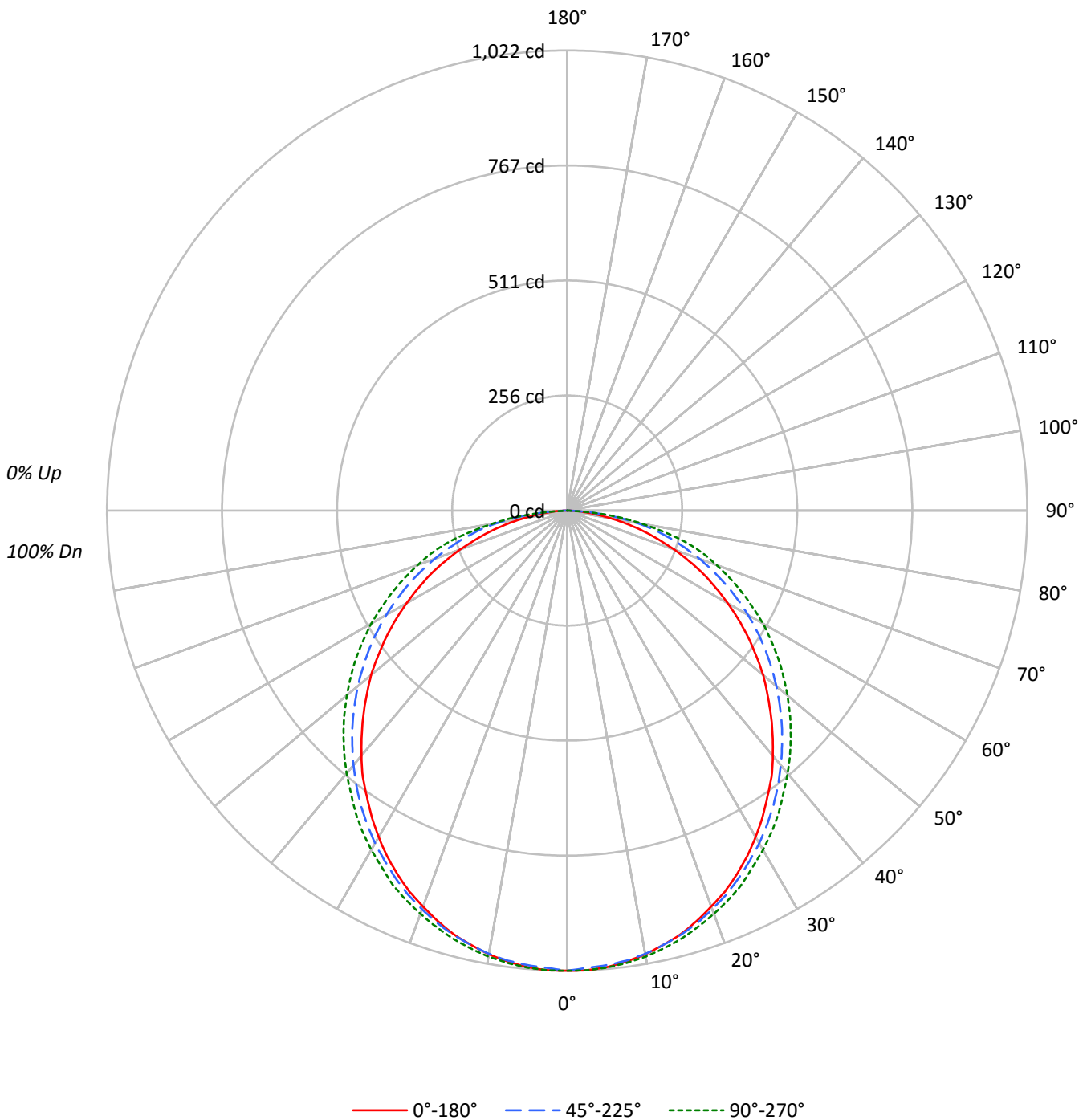
Lumens per Lamp: N/A  
Luminaire Lumens: 2974.7 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	1375	1375	1375
5°	1375	1369	1376
10°	1367	1366	1374
15°	1357	1358	1370
20°	1340	1349	1364
25°	1323	1337	1361
30°	1301	1325	1352
35°	1274	1312	1345
40°	1248	1297	1338
45°	1217	1284	1336
50°	1190	1270	1337
55°	1151	1259	1343
60°	1109	1249	1352
65°	1065	1238	1363
70°	995	1229	1388
75°	906	1232	1430
80°	749	1218	1317
85°	574	968	936



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	3.2
10°-20°	275.9	9.3
20°-30°	416.2	14.0
30°-40°	499.7	16.8
40°-50°	519.7	17.5
50°-60°	477.9	16.1
60°-70°	380.9	12.8
70°-80°	241.4	8.1
80°-90°	66.4	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°	788.7	26.5
0°-40°	1288.4	43.3
0°-60°	2286.1	76.8
0°-90°	2974.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2974.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1018	1018	1014	1019	1019	97
15°	974	974	975	983	984	275
25°	891	896	901	914	917	411
35°	776	784	799	814	819	486
45°	640	653	675	696	702	494
55°	491	507	536	563	573	439
65°	335	352	389	419	428	330
75°	174	196	237	267	275	183
85°	37	53	63	62	61	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1022.0	1022.0	1022.0	1022.0	1022.0
2.5°	1022.0	1022.0	1016.7	1022.0	1022.0
5°	1017.7	1017.7	1013.5	1018.8	1018.8
7.5°	1010.3	1011.3	1008.2	1013.5	1013.5
10°	1000.7	1001.8	999.7	1006.0	1006.0
12.5°	988.0	989.0	988.0	995.4	995.4
15°	974.2	974.2	975.2	982.7	983.7
17.5°	956.1	958.2	960.4	968.9	968.9
20°	935.9	939.1	942.3	952.9	952.9
22.5°	915.7	918.9	923.2	933.8	935.9
25°	891.3	895.6	900.9	913.6	916.8
27.5°	865.8	869.0	877.5	891.3	892.4
30°	837.1	842.4	853.1	866.9	870.1
32.5°	807.4	814.8	826.5	842.4	845.6
35°	775.5	784.0	798.9	813.8	819.1
37.5°	745.8	752.1	769.1	786.1	789.3
40°	710.7	720.3	738.3	757.4	761.7
42.5°	675.6	686.3	706.5	725.6	733.0
45°	639.5	653.3	674.6	695.8	702.2
47.5°	603.4	618.3	640.6	664.0	671.4
50°	568.4	582.2	606.6	631.0	638.5
52.5°	529.0	545.0	571.5	598.1	605.5
55°	490.8	506.7	536.5	563.0	572.6
57.5°	451.5	469.6	500.4	528.0	536.5
60°	412.2	431.3	464.2	491.9	502.5
62.5°	372.9	390.9	427.1	454.7	464.2
65°	334.6	351.6	388.8	418.6	428.1
67.5°	293.2	312.3	350.6	381.4	389.9
70°	252.8	272.0	312.3	344.2	352.7
72.5°	211.4	233.7	274.1	304.9	316.6
75°	174.2	196.5	236.9	266.6	275.1
77.5°	134.9	157.2	198.7	219.9	221.0
80°	96.7	122.2	157.2	165.7	170.0
82.5°	63.7	88.2	108.4	119.0	119.0
85°	37.2	53.1	62.7	61.6	60.6
87.5°	13.8	18.1	14.9	10.6	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)