

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: P302335

Luminaire Tested: **ZX-WO-45H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302335  
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-45H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

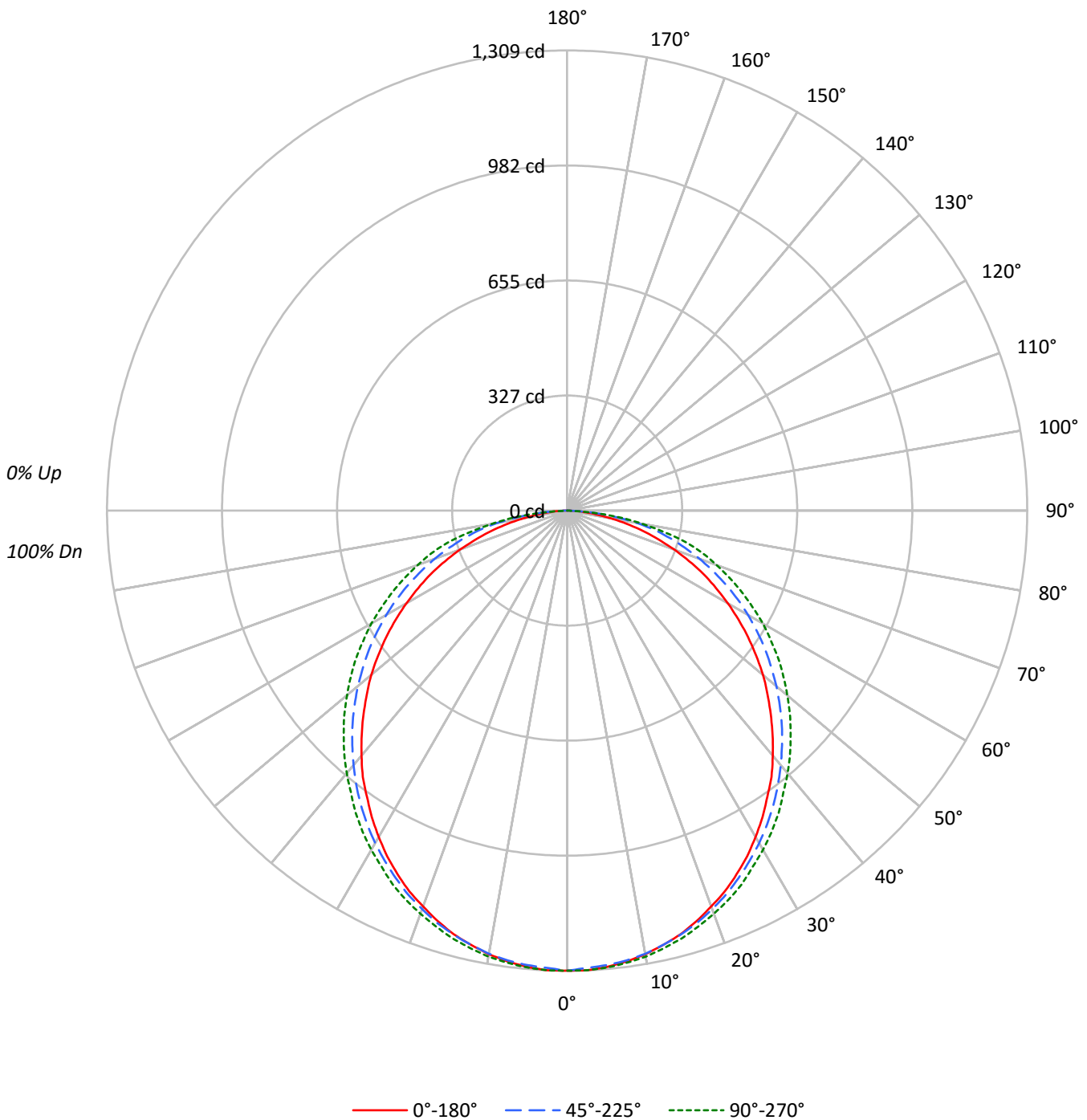
Lumens per Lamp: N/A  
Luminaire Lumens: 3809.3 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	1761	1761	1761
5°	1760	1753	1762
10°	1751	1749	1760
15°	1738	1740	1755
20°	1716	1728	1747
25°	1695	1713	1743
30°	1665	1697	1731
35°	1631	1680	1723
40°	1599	1661	1713
45°	1558	1644	1711
50°	1523	1626	1711
55°	1474	1612	1720
60°	1420	1600	1732
65°	1364	1585	1745
70°	1274	1574	1777
75°	1160	1577	1831
80°	959	1560	1687
85°	735	1240	1196



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.7	3.2
10°-20°	353.3	9.3
20°-30°	533.0	14.0
30°-40°	639.9	16.8
40°-50°	665.5	17.5
50°-60°	612.0	16.1
60°-70°	487.8	12.8
70°-80°	309.1	8.1
80°-90°	85.0	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°	1010.0	26.5
0°-40°	1649.9	43.3
0°-60°	2927.4	76.8
0°-90°	3809.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3809.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1309	1309	1309	1309	1309	
5°	1303	1303	1298	1305	1305	124
15°	1248	1248	1249	1258	1260	352
25°	1141	1147	1154	1170	1174	526
35°	993	1004	1023	1042	1049	622
45°	819	837	864	891	899	632
55°	628	649	687	721	733	562
65°	428	450	498	536	548	422
75°	223	252	303	342	352	235
85°	48	68	80	79	78	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1308.7	1308.7	1301.9	1308.7	1308.7
5°	1303.3	1303.3	1297.8	1304.6	1304.6
7.5°	1293.7	1295.1	1291.0	1297.8	1297.8
10°	1281.5	1282.9	1280.1	1288.3	1288.3
12.5°	1265.2	1266.5	1265.2	1274.7	1274.7
15°	1247.5	1247.5	1248.8	1258.4	1259.7
17.5°	1224.4	1227.1	1229.8	1240.7	1240.7
20°	1198.5	1202.6	1206.7	1220.3	1220.3
22.5°	1172.7	1176.7	1182.2	1195.8	1198.5
25°	1141.4	1146.8	1153.6	1169.9	1174.0
27.5°	1108.7	1112.8	1123.7	1141.4	1142.7
30°	1072.0	1078.8	1092.4	1110.1	1114.2
32.5°	1033.9	1043.4	1058.4	1078.8	1082.9
35°	993.1	1004.0	1023.0	1042.1	1048.9
37.5°	955.0	963.2	984.9	1006.7	1010.8
40°	910.1	922.3	945.5	970.0	975.4
42.5°	865.2	878.8	904.7	929.1	938.7
45°	819.0	836.6	863.9	891.1	899.2
47.5°	772.7	791.7	820.3	850.2	859.8
50°	727.8	745.5	776.8	808.1	817.6
52.5°	677.5	697.9	731.9	765.9	775.4
55°	628.5	648.9	687.0	721.0	733.3
57.5°	578.2	601.3	640.7	676.1	687.0
60°	527.8	552.3	594.5	629.9	643.5
62.5°	477.5	500.6	546.9	582.2	594.5
65°	428.5	450.3	497.9	536.0	548.2
67.5°	375.5	400.0	448.9	488.4	499.3
70°	323.8	348.3	400.0	440.8	451.7
72.5°	270.7	299.3	351.0	390.4	405.4
75°	223.1	251.7	303.4	341.5	352.3
77.5°	172.8	201.3	254.4	281.6	283.0
80°	123.8	156.4	201.3	212.2	217.7
82.5°	81.6	112.9	138.8	152.4	152.4
85°	47.6	68.0	80.3	78.9	77.5
87.5°	17.7	23.1	19.0	13.6	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)