

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: P302304

Luminaire Tested: **ZX-WO-40H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302304
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-40H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

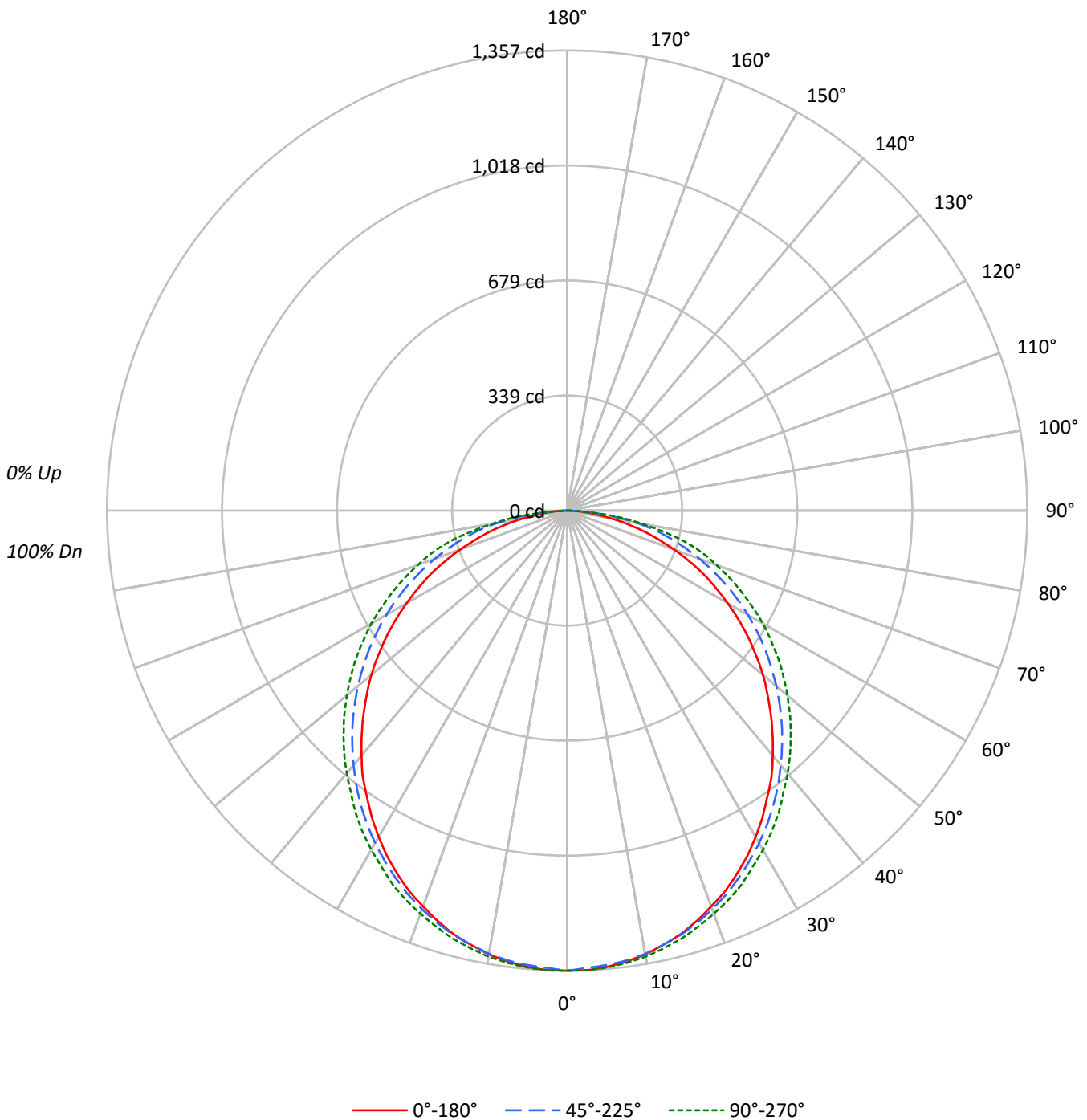
Lumens per Lamp: N/A
Luminaire Lumens: 3949.3 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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	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					100			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1826	1826	1826
5°	1825	1817	1827
10°	1815	1813	1825
15°	1802	1803	1819
20°	1779	1791	1811
25°	1757	1776	1807
30°	1727	1759	1795
35°	1691	1742	1786
40°	1657	1722	1776
45°	1616	1704	1774
50°	1580	1686	1774
55°	1529	1671	1783
60°	1473	1658	1795
65°	1415	1643	1810
70°	1321	1631	1842
75°	1202	1635	1899
80°	994	1617	1749
85°	763	1284	1241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	3.2
10°-20°	366.3	9.3
20°-30°	552.6	14.0
30°-40°	663.4	16.8
40°-50°	689.9	17.5
50°-60°	634.5	16.1
60°-70°	505.7	12.8
70°-80°	320.4	8.1
80°-90°	88.1	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°	1047.2	26.5
0°-40°	1710.6	43.3
0°-60°	3035.0	76.8
0°-90°	3949.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3949.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1351	1351	1346	1353	1353	128
15°	1293	1293	1295	1305	1306	364
25°	1183	1189	1196	1213	1217	545
35°	1030	1041	1061	1080	1087	645
45°	849	867	896	924	932	656
55°	652	673	712	748	760	582
65°	444	467	516	556	568	438
75°	231	261	314	354	365	243
85°	49	70	83	82	80	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1356.8	1356.8	1356.8	1356.8	1356.8
2.5°	1356.8	1356.8	1349.7	1356.8	1356.8
5°	1351.1	1351.1	1345.5	1352.6	1352.6
7.5°	1341.3	1342.7	1338.5	1345.5	1345.5
10°	1328.6	1330.0	1327.2	1335.6	1335.6
12.5°	1311.7	1313.1	1311.7	1321.5	1321.5
15°	1293.3	1293.3	1294.7	1304.6	1306.0
17.5°	1269.3	1272.2	1275.0	1286.3	1286.3
20°	1242.5	1246.8	1251.0	1265.1	1265.1
22.5°	1215.8	1220.0	1225.6	1239.7	1242.5
25°	1183.3	1189.0	1196.0	1212.9	1217.2
27.5°	1149.5	1153.7	1165.0	1183.3	1184.7
30°	1111.4	1118.4	1132.5	1150.9	1155.1
32.5°	1071.9	1081.8	1097.3	1118.4	1122.7
35°	1029.6	1040.9	1060.6	1080.4	1087.4
37.5°	990.1	998.6	1021.1	1043.7	1047.9
40°	943.5	956.2	980.2	1005.6	1011.2
42.5°	897.0	911.1	937.9	963.3	973.2
45°	849.1	867.4	895.6	923.8	932.3
47.5°	801.1	820.8	850.5	881.5	891.4
50°	754.6	772.9	805.3	837.8	847.6
52.5°	702.4	723.5	758.8	794.0	803.9
55°	651.6	672.8	712.2	747.5	760.2
57.5°	599.4	623.4	664.3	701.0	712.2
60°	547.2	572.6	616.3	653.0	667.1
62.5°	495.0	519.0	567.0	603.6	616.3
65°	444.3	466.8	516.2	555.7	568.4
67.5°	389.3	414.7	465.4	506.3	517.6
70°	335.7	361.1	414.7	457.0	468.2
72.5°	280.7	310.3	363.9	404.8	420.3
75°	231.3	260.9	314.5	354.0	365.3
77.5°	179.1	208.7	263.7	291.9	293.4
80°	128.3	162.2	208.7	220.0	225.7
82.5°	84.6	117.1	143.9	158.0	158.0
85°	49.4	70.5	83.2	81.8	80.4
87.5°	18.3	24.0	19.7	14.1	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)