

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: P302336

Luminaire Tested: **ZX-WO-50H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302336
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-50H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (336)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

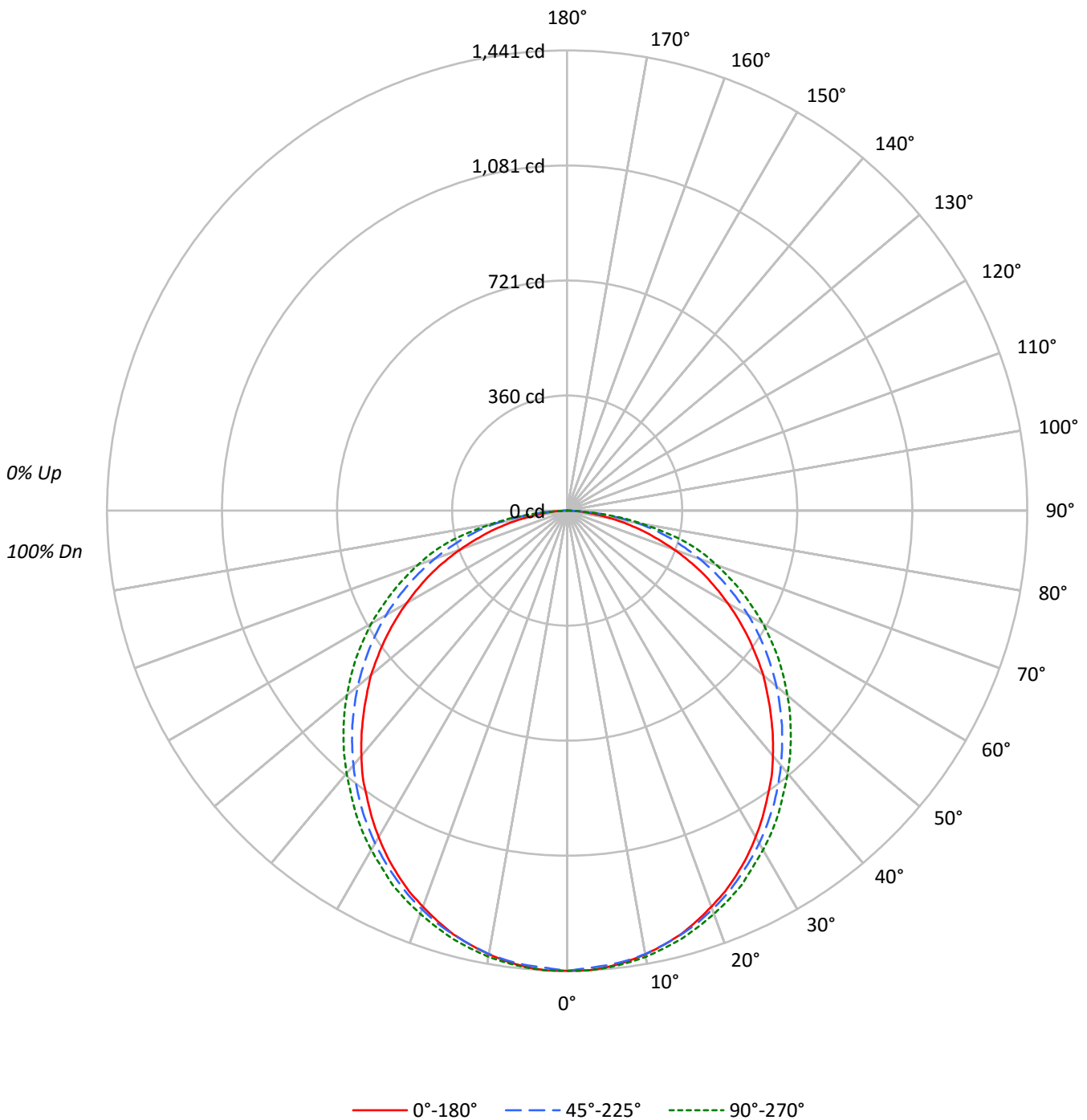
Lumens per Lamp: N/A
Luminaire Lumens: 4195.6 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (A_{in}): 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°	1939	1939	1939
5°	1939	1931	1941
10°	1928	1926	1939
15°	1914	1916	1933
20°	1890	1903	1924
25°	1866	1886	1920
30°	1834	1869	1906
35°	1797	1851	1897
40°	1761	1829	1887
45°	1716	1810	1885
50°	1678	1791	1885
55°	1624	1775	1894
60°	1565	1762	1907
65°	1503	1746	1922
70°	1403	1733	1957
75°	1277	1737	2018
80°	1056	1719	1857
85°	809	1365	1318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	3.2
10°-20°	389.1	9.3
20°-30°	587.0	14.0
30°-40°	704.8	16.8
40°-50°	733.0	17.5
50°-60°	674.1	16.1
60°-70°	537.2	12.8
70°-80°	340.4	8.1
80°-90°	93.6	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°	1112.5	26.5
0°-40°	1817.2	43.3
0°-60°	3224.3	76.8
0°-90°	4195.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4195.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1441	1441	1441	1441	1441	
5°	1435	1435	1429	1437	1437	136
15°	1374	1374	1376	1386	1388	387
25°	1257	1263	1271	1289	1293	579
35°	1094	1106	1127	1148	1155	685
45°	902	922	951	981	990	696
55°	692	715	757	794	808	619
65°	472	496	548	590	604	465
75°	246	277	334	376	388	259
85°	52	75	88	87	85	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1441.4	1441.4	1441.4	1441.4	1441.4
2.5°	1441.4	1441.4	1433.9	1441.4	1441.4
5°	1435.4	1435.4	1429.4	1436.9	1436.9
7.5°	1424.9	1426.4	1421.9	1429.4	1429.4
10°	1411.4	1412.9	1409.9	1418.9	1418.9
12.5°	1393.5	1395.0	1393.5	1403.9	1403.9
15°	1374.0	1374.0	1375.5	1386.0	1387.5
17.5°	1348.5	1351.5	1354.5	1366.5	1366.5
20°	1320.0	1324.5	1329.0	1344.0	1344.0
22.5°	1291.6	1296.1	1302.1	1317.0	1320.0
25°	1257.1	1263.1	1270.6	1288.6	1293.1
27.5°	1221.1	1225.6	1237.6	1257.1	1258.6
30°	1180.7	1188.2	1203.2	1222.6	1227.1
32.5°	1138.7	1149.2	1165.7	1188.2	1192.7
35°	1093.8	1105.8	1126.8	1147.7	1155.2
37.5°	1051.8	1060.8	1084.8	1108.8	1113.3
40°	1002.4	1015.9	1041.3	1068.3	1074.3
42.5°	952.9	967.9	996.4	1023.4	1033.9
45°	902.0	921.5	951.4	981.4	990.4
47.5°	851.1	872.0	903.5	936.5	947.0
50°	801.6	821.1	855.6	890.0	900.5
52.5°	746.2	768.6	806.1	843.6	854.1
55°	692.2	714.7	756.7	794.1	807.6
57.5°	636.8	662.3	705.7	744.7	756.7
60°	581.4	608.3	654.8	693.7	708.7
62.5°	525.9	551.4	602.3	641.3	654.8
65°	472.0	496.0	548.4	590.3	603.8
67.5°	413.5	440.5	494.5	537.9	549.9
70°	356.6	383.6	440.5	485.5	497.4
72.5°	298.2	329.6	386.6	430.0	446.5
75°	245.7	277.2	334.1	376.1	388.1
77.5°	190.3	221.8	280.2	310.2	311.7
80°	136.3	172.3	221.8	233.7	239.7
82.5°	89.9	124.4	152.8	167.8	167.8
85°	52.4	74.9	88.4	86.9	85.4
87.5°	19.5	25.5	21.0	15.0	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)