

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: P302307

Luminaire Tested: **ZX-WO-55H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302307
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-55H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (336)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

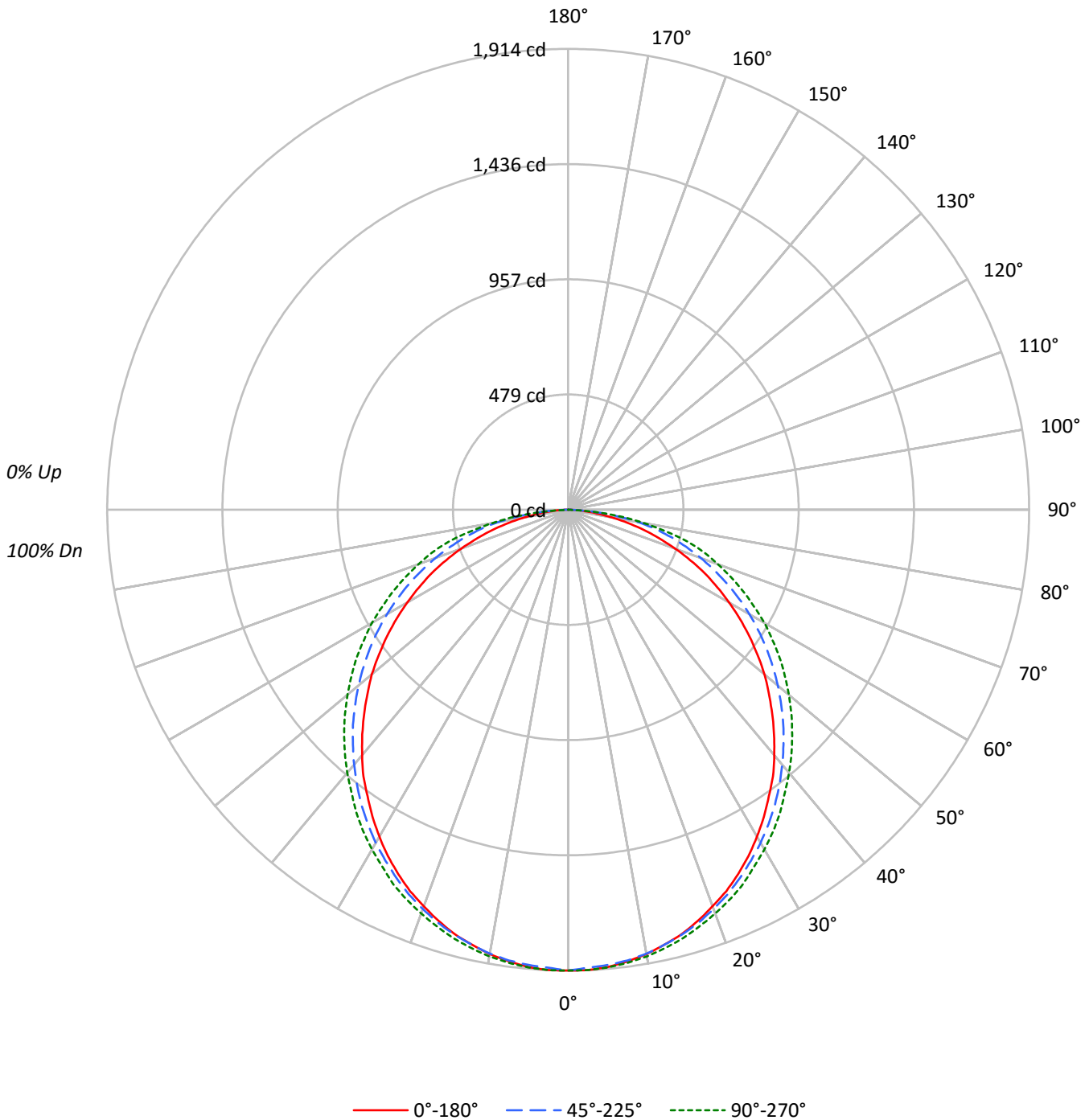
Lumens per Lamp: N/A
Luminaire Lumens: 5571.1 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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°	2575	2575	2575
5°	2574	2564	2577
10°	2561	2558	2574
15°	2541	2544	2566
20°	2510	2527	2555
25°	2478	2505	2549
30°	2436	2482	2532
35°	2386	2458	2520
40°	2338	2429	2506
45°	2279	2404	2502
50°	2228	2378	2503
55°	2156	2357	2516
60°	2077	2340	2532
65°	1995	2318	2553
70°	1863	2301	2598
75°	1696	2307	2679
80°	1403	2282	2466
85°	1074	1812	1751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	3.2
10°-20°	516.7	9.3
20°-30°	779.5	14.0
30°-40°	935.8	16.8
40°-50°	973.3	17.5
50°-60°	895.1	16.1
60°-70°	713.4	12.8
70°-80°	452.1	8.1
80°-90°	124.3	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°	1477.2	26.5
0°-40°	2413.0	43.3
0°-60°	4281.4	76.8
0°-90°	5571.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5571.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1906	1906	1898	1908	1908	181
15°	1824	1824	1826	1840	1842	514
25°	1669	1677	1687	1711	1717	769
35°	1452	1468	1496	1524	1534	910
45°	1198	1224	1263	1303	1315	925
55°	919	949	1005	1054	1072	821
65°	627	659	728	784	802	618
75°	326	368	444	499	515	343
85°	70	100	117	115	113	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914.0	1914.0	1914.0	1914.0	1914.0
2.5°	1914.0	1914.0	1904.0	1914.0	1914.0
5°	1906.0	1906.0	1898.1	1908.0	1908.0
7.5°	1892.1	1894.1	1888.1	1898.1	1898.1
10°	1874.2	1876.2	1872.2	1884.1	1884.1
12.5°	1850.3	1852.3	1850.3	1864.2	1864.2
15°	1824.5	1824.5	1826.4	1840.4	1842.4
17.5°	1790.6	1794.6	1798.6	1814.5	1814.5
20°	1752.8	1758.8	1764.8	1784.7	1784.7
22.5°	1715.0	1721.0	1729.0	1748.8	1752.8
25°	1669.3	1677.2	1687.2	1711.0	1717.0
27.5°	1621.5	1627.5	1643.4	1669.3	1671.3
30°	1567.8	1577.7	1597.6	1623.5	1629.5
32.5°	1512.1	1526.0	1547.9	1577.7	1583.7
35°	1452.4	1468.3	1496.2	1524.0	1534.0
37.5°	1396.7	1408.6	1440.5	1472.3	1478.3
40°	1331.0	1348.9	1382.8	1418.6	1426.5
42.5°	1265.4	1285.3	1323.1	1358.9	1372.8
45°	1197.7	1223.6	1263.4	1303.2	1315.1
47.5°	1130.1	1157.9	1199.7	1243.5	1257.4
50°	1064.4	1090.3	1136.1	1181.8	1195.7
52.5°	990.8	1020.7	1070.4	1120.1	1134.1
55°	919.2	949.0	1004.7	1054.5	1072.4
57.5°	845.6	879.4	937.1	988.8	1004.7
60°	772.0	807.8	869.5	921.2	941.1
62.5°	698.3	732.2	799.8	851.5	869.5
65°	626.7	658.6	728.2	783.9	801.8
67.5°	549.1	584.9	656.6	714.3	730.2
70°	473.5	509.3	584.9	644.6	660.5
72.5°	395.9	437.7	513.3	571.0	592.9
75°	326.3	368.1	443.7	499.4	515.3
77.5°	252.7	294.5	372.1	411.8	413.8
80°	181.1	228.8	294.5	310.4	318.3
82.5°	119.4	165.1	202.9	222.8	222.8
85°	69.6	99.5	117.4	115.4	113.4
87.5°	25.9	33.8	27.9	19.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)