

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: P302339

Luminaire Tested: **ZX-WO-65H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302339
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-65H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

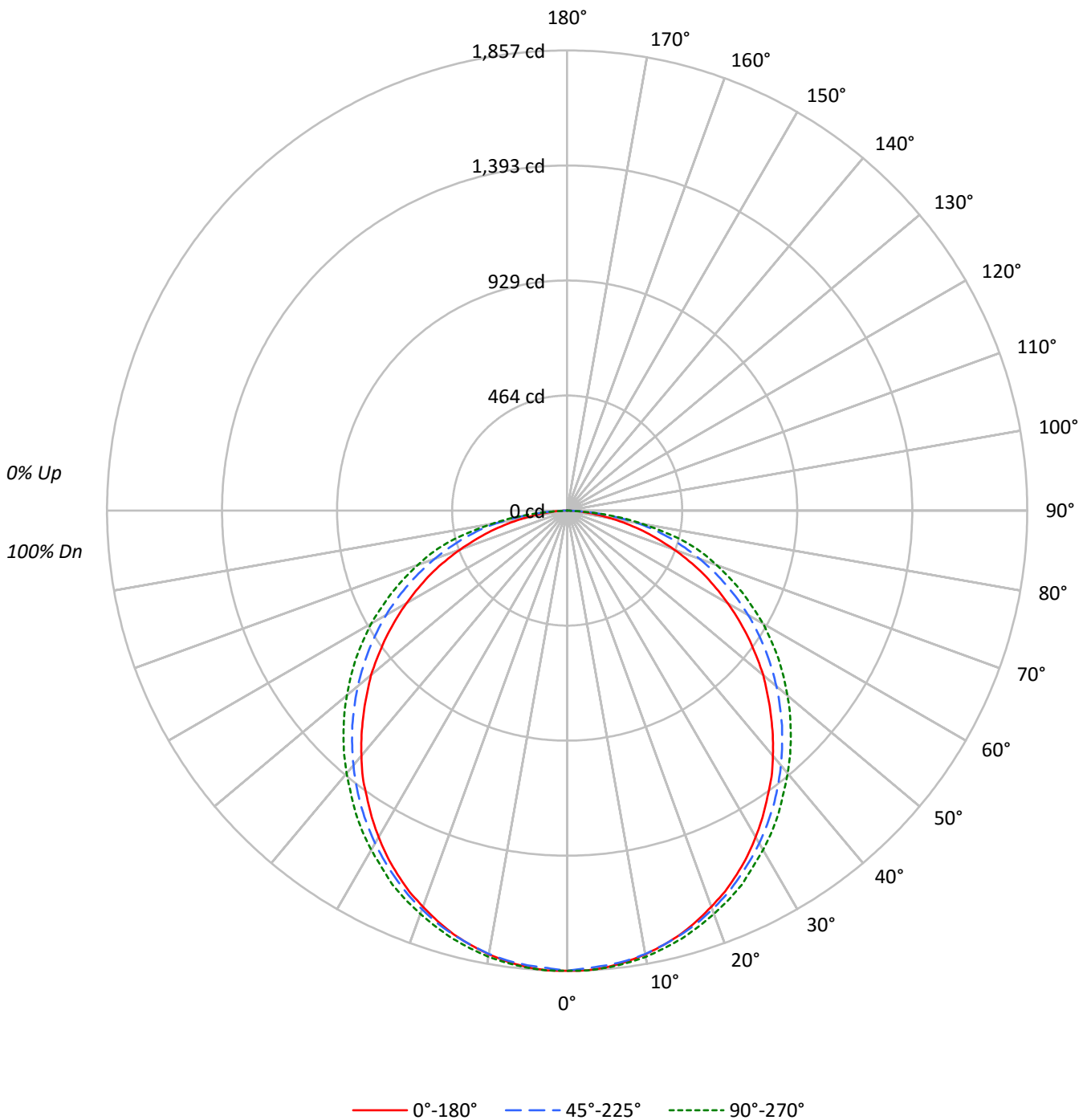
Lumens per Lamp: N/A
Luminaire Lumens: 5406.6 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 46.1
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°	2499	2499	2499
5°	2498	2488	2501
10°	2485	2482	2498
15°	2466	2469	2490
20°	2436	2452	2480
25°	2405	2431	2474
30°	2364	2409	2457
35°	2315	2385	2445
40°	2269	2357	2432
45°	2212	2333	2429
50°	2162	2308	2429
55°	2092	2287	2441
60°	2016	2271	2458
65°	1936	2250	2477
70°	1808	2233	2522
75°	1646	2239	2600
80°	1361	2214	2393
85°	1044	1758	1700



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	3.2
10°-20°	501.4	9.3
20°-30°	756.5	14.0
30°-40°	908.2	16.8
40°-50°	944.5	17.5
50°-60°	868.7	16.1
60°-70°	692.3	12.8
70°-80°	438.7	8.1
80°-90°	120.6	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°	1433.5	26.5
0°-40°	2341.7	43.3
0°-60°	4154.9	76.8
0°-90°	5406.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5406.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1857	1857	1857	1857	1857	
5°	1850	1850	1842	1852	1852	176
15°	1770	1770	1772	1786	1788	499
25°	1620	1628	1637	1660	1666	746
35°	1410	1425	1452	1479	1489	883
45°	1162	1187	1226	1265	1276	897
55°	892	921	975	1023	1041	797
65°	608	639	707	761	778	599
75°	317	357	431	485	500	333
85°	68	96	114	112	110	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1857.4	1857.4	1857.4	1857.4	1857.4
2.5°	1857.4	1857.4	1847.8	1857.4	1857.4
5°	1849.7	1849.7	1842.0	1851.6	1851.6
7.5°	1836.2	1838.1	1832.3	1842.0	1842.0
10°	1818.8	1820.7	1816.9	1828.5	1828.5
12.5°	1795.6	1797.6	1795.6	1809.2	1809.2
15°	1770.5	1770.5	1772.5	1786.0	1787.9
17.5°	1737.7	1741.6	1745.4	1760.9	1760.9
20°	1701.0	1706.8	1712.6	1731.9	1731.9
22.5°	1664.4	1670.1	1677.9	1697.2	1701.0
25°	1619.9	1627.7	1637.3	1660.5	1666.3
27.5°	1573.6	1579.4	1594.8	1619.9	1621.9
30°	1521.5	1531.1	1550.4	1575.5	1581.3
32.5°	1467.4	1480.9	1502.2	1531.1	1536.9
35°	1409.5	1424.9	1452.0	1479.0	1488.7
37.5°	1355.4	1367.0	1397.9	1428.8	1434.6
40°	1291.7	1309.1	1341.9	1376.7	1384.4
42.5°	1228.0	1247.3	1284.0	1318.7	1332.3
45°	1162.3	1187.4	1226.1	1264.7	1276.3
47.5°	1096.7	1123.7	1164.3	1206.8	1220.3
50°	1033.0	1058.1	1102.5	1146.9	1160.4
52.5°	961.5	990.5	1038.8	1087.0	1100.6
55°	892.0	921.0	975.1	1023.3	1040.7
57.5°	820.6	853.4	909.4	959.6	975.1
60°	749.2	783.9	843.8	894.0	913.3
62.5°	677.7	710.5	776.2	826.4	843.8
65°	608.2	639.1	706.7	760.7	778.1
67.5°	532.9	567.7	637.2	693.2	708.6
70°	459.5	494.3	567.7	625.6	641.0
72.5°	384.2	424.8	498.1	554.1	575.4
75°	316.7	357.2	430.6	484.6	500.1
77.5°	245.2	285.8	361.1	399.7	401.6
80°	175.7	222.0	285.8	301.2	308.9
82.5°	115.8	160.3	196.9	216.3	216.3
85°	67.6	96.5	113.9	112.0	110.1
87.5°	25.1	32.8	27.0	19.3	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)