

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: P302279

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302279
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: RX-WO-65H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

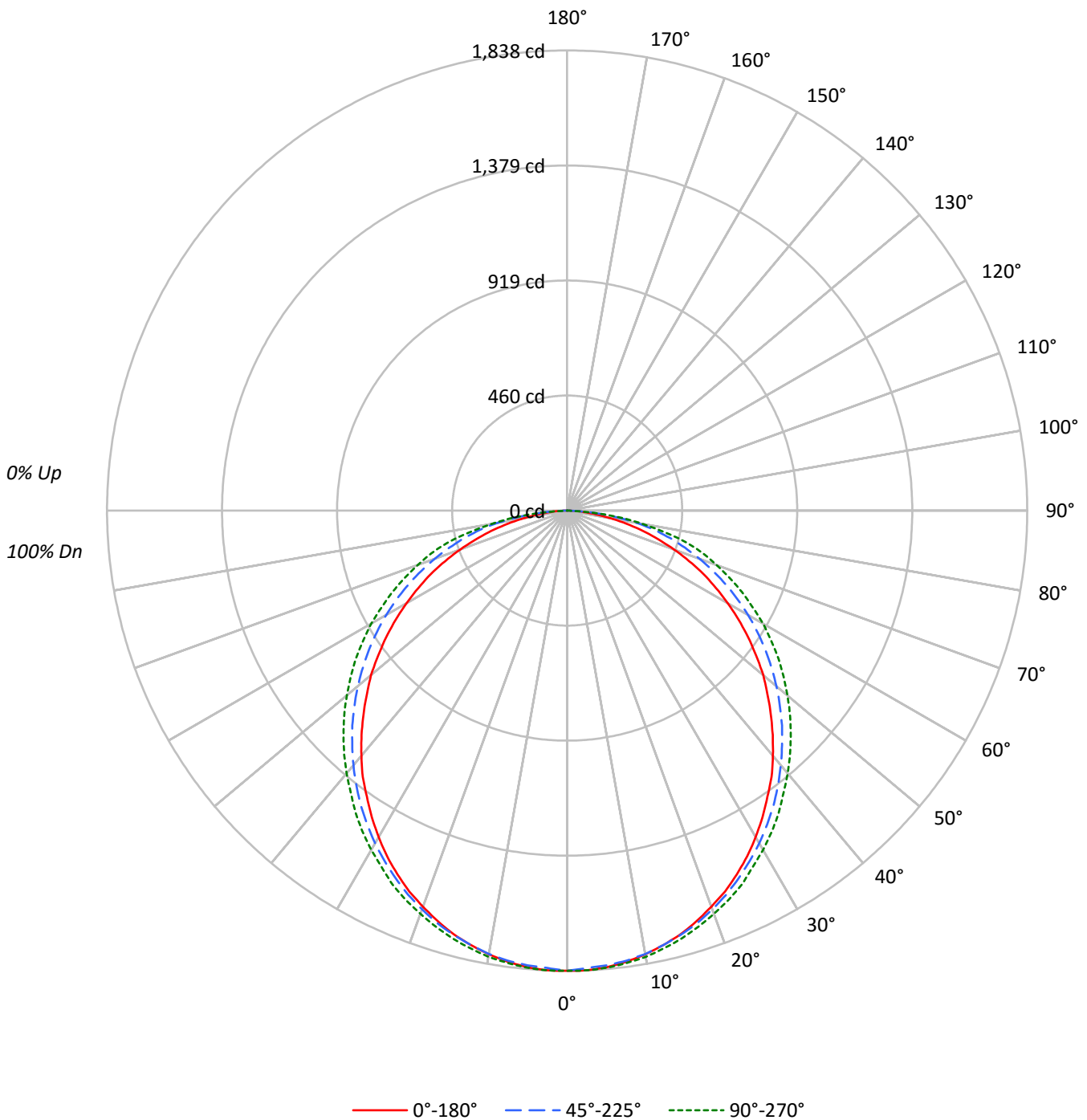
Lumens per Lamp: N/A
Luminaire Lumens: 5350.6 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2473	2473	2473
5°	2472	2462	2475
10°	2459	2457	2472
15°	2441	2444	2465
20°	2411	2427	2454
25°	2380	2406	2448
30°	2339	2384	2431
35°	2291	2360	2420
40°	2245	2333	2406
45°	2189	2309	2403
50°	2140	2284	2404
55°	2071	2264	2416
60°	1995	2247	2432
65°	1916	2227	2452
70°	1789	2210	2496
75°	1629	2215	2573
80°	1347	2191	2369
85°	1033	1740	1681



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	3.2
10°-20°	496.3	9.3
20°-30°	748.6	14.0
30°-40°	898.8	16.8
40°-50°	934.7	17.5
50°-60°	859.7	16.1
60°-70°	685.2	12.8
70°-80°	434.2	8.1
80°-90°	119.4	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°	1418.7	26.5
0°-40°	2317.5	43.3
0°-60°	4111.9	76.8
0°-90°	5350.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5350.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1838	1838	1838	1838	1838	
5°	1831	1831	1823	1832	1832	174
15°	1752	1752	1754	1768	1769	494
25°	1603	1611	1620	1643	1649	738
35°	1395	1410	1437	1464	1473	874
45°	1150	1175	1213	1252	1263	888
55°	883	912	965	1013	1030	789
65°	602	632	699	753	770	593
75°	313	354	426	480	495	330
85°	67	96	113	111	109	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1838.2	1838.2	1838.2	1838.2	1838.2
2.5°	1838.2	1838.2	1828.7	1838.2	1838.2
5°	1830.6	1830.6	1822.9	1832.5	1832.5
7.5°	1817.2	1819.1	1813.4	1822.9	1822.9
10°	1800.0	1801.9	1798.1	1809.6	1809.6
12.5°	1777.1	1779.0	1777.1	1790.5	1790.5
15°	1752.2	1752.2	1754.2	1767.5	1769.4
17.5°	1719.8	1723.6	1727.4	1742.7	1742.7
20°	1683.5	1689.2	1694.9	1714.0	1714.0
22.5°	1647.1	1652.9	1660.5	1679.6	1683.5
25°	1603.2	1610.8	1620.4	1643.3	1649.1
27.5°	1557.3	1563.1	1578.4	1603.2	1605.1
30°	1505.7	1515.3	1534.4	1559.2	1565.0
32.5°	1452.2	1465.6	1486.6	1515.3	1521.0
35°	1394.9	1410.2	1437.0	1463.7	1473.3
37.5°	1341.4	1352.9	1383.4	1414.0	1419.8
40°	1278.4	1295.6	1328.0	1362.4	1370.1
42.5°	1215.3	1234.4	1270.7	1305.1	1318.5
45°	1150.3	1175.2	1213.4	1251.6	1263.1
47.5°	1085.4	1112.1	1152.2	1194.3	1207.7
50°	1022.3	1047.1	1091.1	1135.0	1148.4
52.5°	951.6	980.3	1028.0	1075.8	1089.2
55°	882.8	911.5	965.0	1012.7	1029.9
57.5°	812.1	844.6	900.0	949.7	965.0
60°	741.4	775.8	835.0	884.7	903.8
62.5°	670.7	703.2	768.2	817.8	835.0
65°	601.9	632.5	699.4	752.9	770.1
67.5°	527.4	561.8	630.6	686.0	701.3
70°	454.8	489.2	561.8	619.1	634.4
72.5°	380.3	420.4	493.0	548.4	569.4
75°	313.4	353.5	426.1	479.6	494.9
77.5°	242.7	282.8	357.3	395.5	397.5
80°	173.9	219.7	282.8	298.1	305.7
82.5°	114.7	158.6	194.9	214.0	214.0
85°	66.9	95.5	112.7	110.8	108.9
87.5°	24.8	32.5	26.8	19.1	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)