

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: P302269

Luminaire Tested: **RX-WO-65H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302269
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-65H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

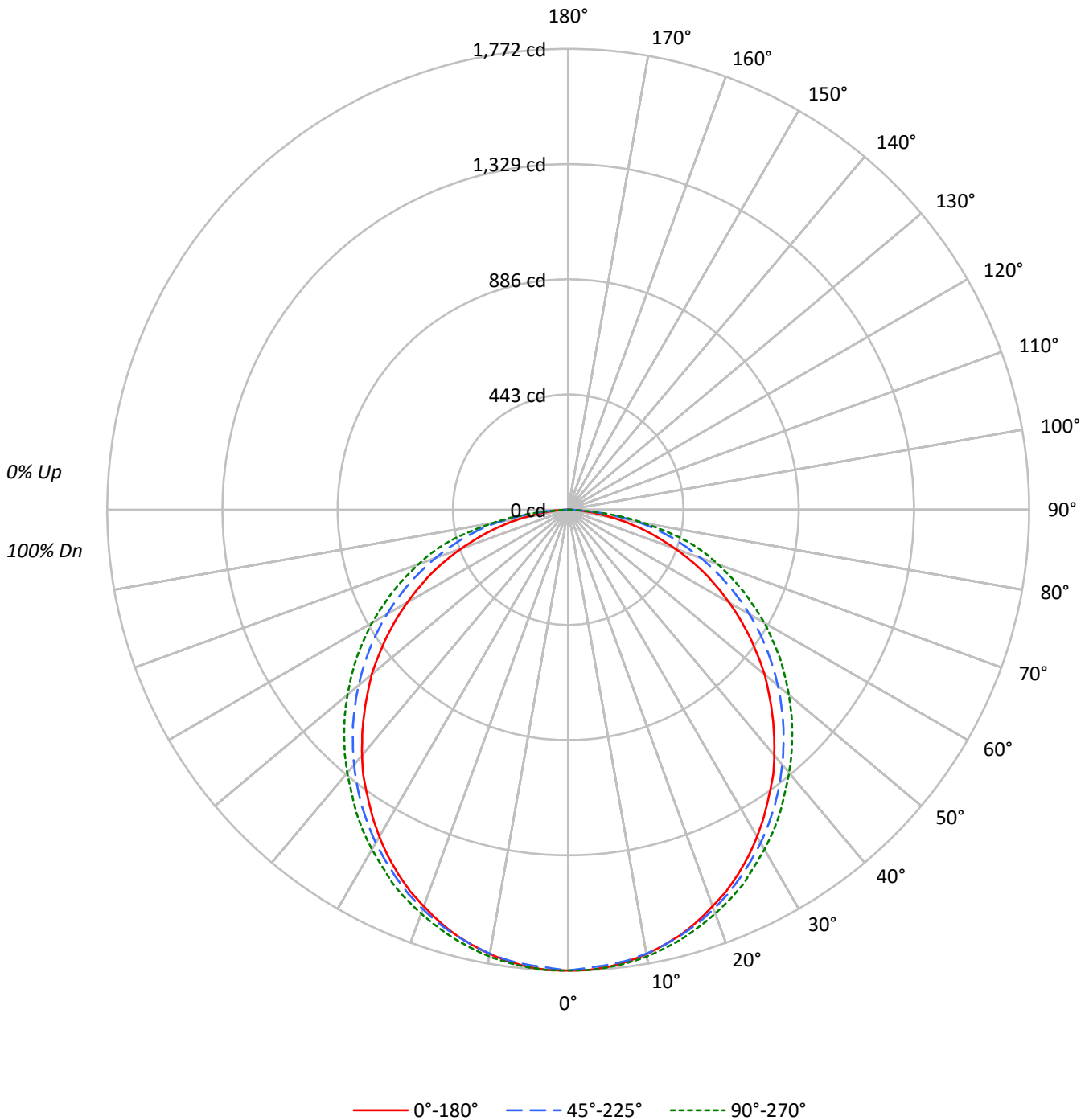
Lumens per Lamp: N/A
Luminaire Lumens: 5158.2 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2384	2384	2384
5°	2384	2374	2386
10°	2371	2368	2383
15°	2353	2356	2376
20°	2324	2340	2366
25°	2294	2319	2360
30°	2255	2298	2344
35°	2209	2275	2333
40°	2165	2249	2320
45°	2110	2226	2317
50°	2063	2202	2317
55°	1997	2182	2329
60°	1923	2166	2345
65°	1848	2146	2364
70°	1725	2131	2406
75°	1570	2136	2480
80°	1299	2112	2283
85°	996	1678	1621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	3.2
10°-20°	478.4	9.3
20°-30°	721.7	14.0
30°-40°	866.5	16.8
40°-50°	901.1	17.5
50°-60°	828.8	16.1
60°-70°	660.5	12.8
70°-80°	418.5	8.1
80°-90°	115.1	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°	1367.7	26.5
0°-40°	2234.2	43.3
0°-60°	3964.1	76.8
0°-90°	5158.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5158.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1765	1765	1757	1767	1767	167
15°	1689	1689	1691	1704	1706	476
25°	1546	1553	1562	1584	1590	712
35°	1345	1360	1385	1411	1420	842
45°	1109	1133	1170	1207	1218	856
55°	851	879	930	976	993	761
65°	580	610	674	726	742	572
75°	302	341	411	462	477	318
85°	64	92	109	107	105	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1772.1	1772.1	1772.1	1772.1	1772.1
2.5°	1772.1	1772.1	1762.9	1772.1	1772.1
5°	1764.8	1764.8	1757.4	1766.6	1766.6
7.5°	1751.9	1753.7	1748.2	1757.4	1757.4
10°	1735.3	1737.1	1733.4	1744.5	1744.5
12.5°	1713.2	1715.0	1713.2	1726.1	1726.1
15°	1689.2	1689.2	1691.1	1704.0	1705.8
17.5°	1657.9	1661.6	1665.3	1680.0	1680.0
20°	1622.9	1628.4	1634.0	1652.4	1652.4
22.5°	1587.9	1593.4	1600.8	1619.2	1622.9
25°	1545.5	1552.9	1562.1	1584.2	1589.8
27.5°	1501.3	1506.9	1521.6	1545.5	1547.4
30°	1451.6	1460.8	1479.2	1503.2	1508.7
32.5°	1400.0	1412.9	1433.2	1460.8	1466.3
35°	1344.7	1359.5	1385.3	1411.1	1420.3
37.5°	1293.2	1304.2	1333.7	1363.2	1368.7
40°	1232.4	1249.0	1280.3	1313.4	1320.8
42.5°	1171.6	1190.0	1225.0	1258.2	1271.1
45°	1109.0	1132.9	1169.7	1206.6	1217.6
47.5°	1046.3	1072.1	1110.8	1151.3	1164.2
50°	985.5	1009.5	1051.9	1094.2	1107.1
52.5°	917.4	945.0	991.1	1037.1	1050.0
55°	851.1	878.7	930.3	976.3	992.9
57.5°	782.9	814.2	867.6	915.5	930.3
60°	714.7	747.9	805.0	852.9	871.3
62.5°	646.6	677.9	740.5	788.4	805.0
65°	580.3	609.7	674.2	725.8	742.4
67.5°	508.4	541.6	607.9	661.3	676.1
70°	438.4	471.6	541.6	596.8	611.6
72.5°	366.6	405.3	475.3	528.7	549.0
75°	302.1	340.8	410.8	462.4	477.1
77.5°	233.9	272.6	344.5	381.3	383.2
80°	167.6	211.8	272.6	287.4	294.7
82.5°	110.5	152.9	187.9	206.3	206.3
85°	64.5	92.1	108.7	106.8	105.0
87.5°	23.9	31.3	25.8	18.4	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)