

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: P302377

Luminaire Tested: **RX-WO-60L840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-60L840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

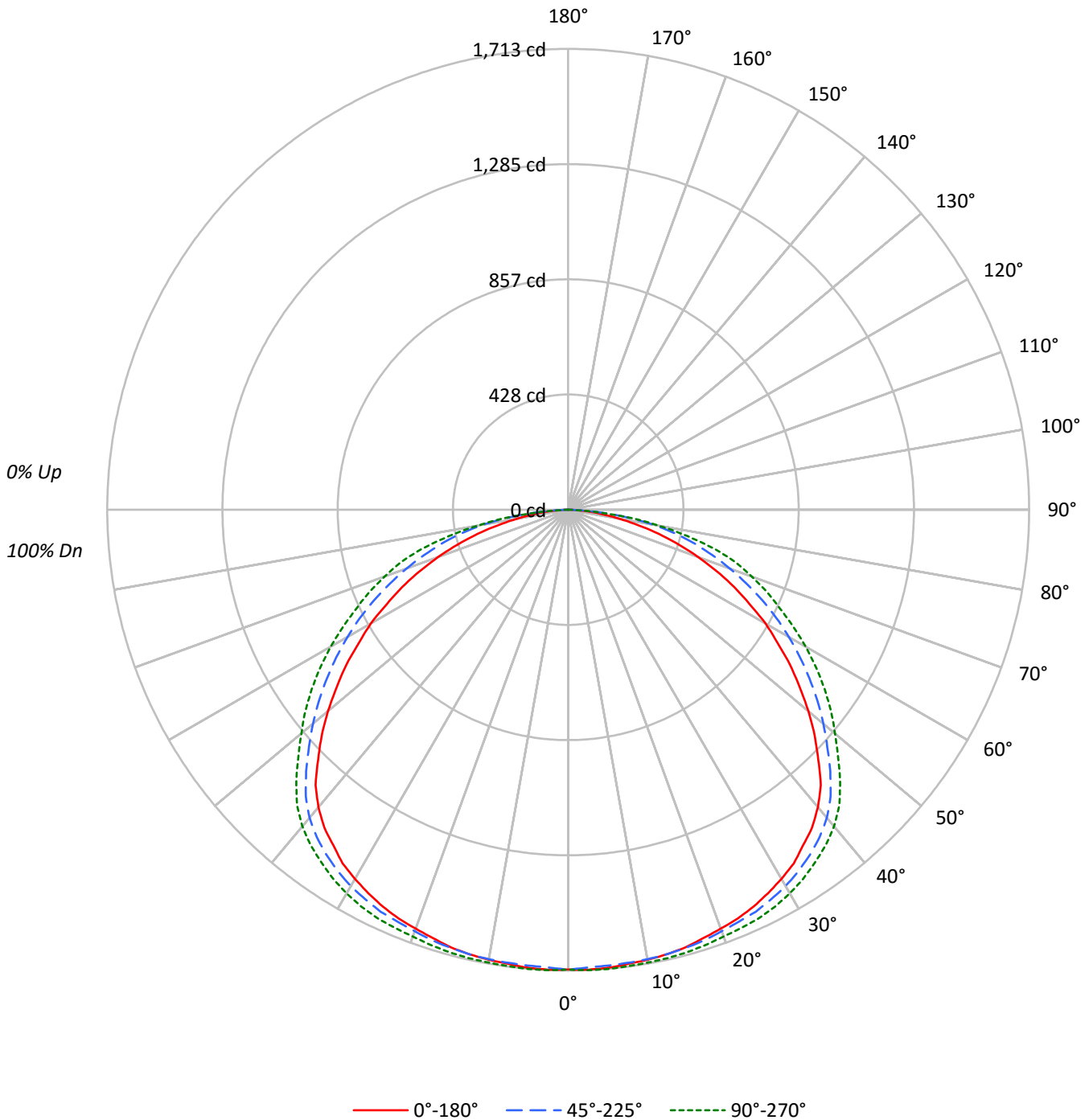
Lumens per Lamp: N/A
Luminaire Lumens: 5820.5 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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	98	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		55	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2300	2300	2300
5°	2308	2297	2314
10°	2321	2318	2335
15°	2346	2349	2372
20°	2373	2388	2418
25°	2417	2448	2488
30°	2462	2510	2559
35°	2500	2572	2627
40°	2535	2626	2699
45°	2501	2620	2719
50°	2439	2591	2708
55°	2363	2567	2728
60°	2280	2548	2744
65°	2169	2532	2764
70°	2018	2517	2851
75°	1814	2527	2926
80°	1496	2494	2672
85°	1090	1860	1731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	2.8
10°-20°	478.6	8.2
20°-30°	762.3	13.1
30°-40°	980.0	16.8
40°-50°	1059.7	18.2
50°-60°	974.8	16.7
60°-70°	777.1	13.4
70°-80°	493.7	8.5
80°-90°	131.5	2.3
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°	1403.7	24.1
0°-40°	2383.7	41.0
0°-60°	4418.1	75.9
0°-90°	5820.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5820.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1709	1709	1709	1709	1709	
5°	1709	1709	1701	1711	1713	163
15°	1684	1686	1686	1701	1703	476
25°	1628	1634	1649	1668	1676	751
35°	1522	1539	1566	1595	1599	954
45°	1315	1338	1377	1414	1429	1013
55°	1007	1036	1094	1144	1163	899
65°	681	716	795	854	868	672
75°	349	399	486	550	563	369
85°	71	110	120	120	112	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1709.2	1709.2	1709.2	1709.2	1709.2
2.5°	1711.3	1711.3	1703.0	1713.4	1713.4
5°	1709.2	1709.2	1700.9	1711.3	1713.4
7.5°	1703.0	1705.1	1698.9	1709.2	1711.3
10°	1698.9	1700.9	1696.8	1707.2	1709.2
12.5°	1692.6	1694.7	1692.6	1705.1	1707.2
15°	1684.3	1686.4	1686.4	1700.9	1703.0
17.5°	1669.8	1673.9	1678.1	1694.7	1696.8
20°	1657.3	1661.5	1667.7	1686.4	1688.5
22.5°	1644.9	1649.0	1657.3	1680.2	1682.2
25°	1628.3	1634.5	1649.0	1667.7	1676.0
27.5°	1607.5	1619.9	1632.4	1655.3	1663.6
30°	1584.6	1597.1	1615.8	1640.7	1646.9
32.5°	1559.7	1572.2	1592.9	1619.9	1626.2
35°	1522.3	1538.9	1565.9	1595.0	1599.2
37.5°	1489.1	1505.7	1534.8	1565.9	1572.2
40°	1443.4	1464.2	1495.3	1524.4	1536.9
42.5°	1389.4	1410.2	1443.4	1478.7	1491.2
45°	1314.6	1337.5	1377.0	1414.3	1428.9
47.5°	1242.0	1262.7	1306.3	1350.0	1360.3
50°	1165.1	1190.0	1237.8	1283.5	1293.9
52.5°	1084.1	1115.3	1167.2	1215.0	1231.6
55°	1007.3	1036.3	1094.5	1144.3	1163.0
57.5°	922.1	957.4	1021.8	1075.8	1092.4
60°	847.4	878.5	947.0	1003.1	1019.7
62.5°	760.1	797.5	872.3	928.4	942.9
65°	681.2	716.5	795.4	853.6	868.1
67.5°	596.1	637.6	716.5	776.7	799.6
70°	513.0	556.6	639.7	702.0	724.8
72.5°	429.9	477.7	560.7	625.1	654.2
75°	348.9	398.8	486.0	550.4	562.8
77.5°	267.9	324.0	407.1	452.8	452.8
80°	193.1	249.2	321.9	334.4	344.8
82.5°	128.8	180.7	220.1	232.6	234.7
85°	70.6	110.1	120.5	120.5	112.1
87.5°	27.0	35.3	24.9	12.5	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)