

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: P302073

Luminaire Tested: **ZX-WO-60L840-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-60L840-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

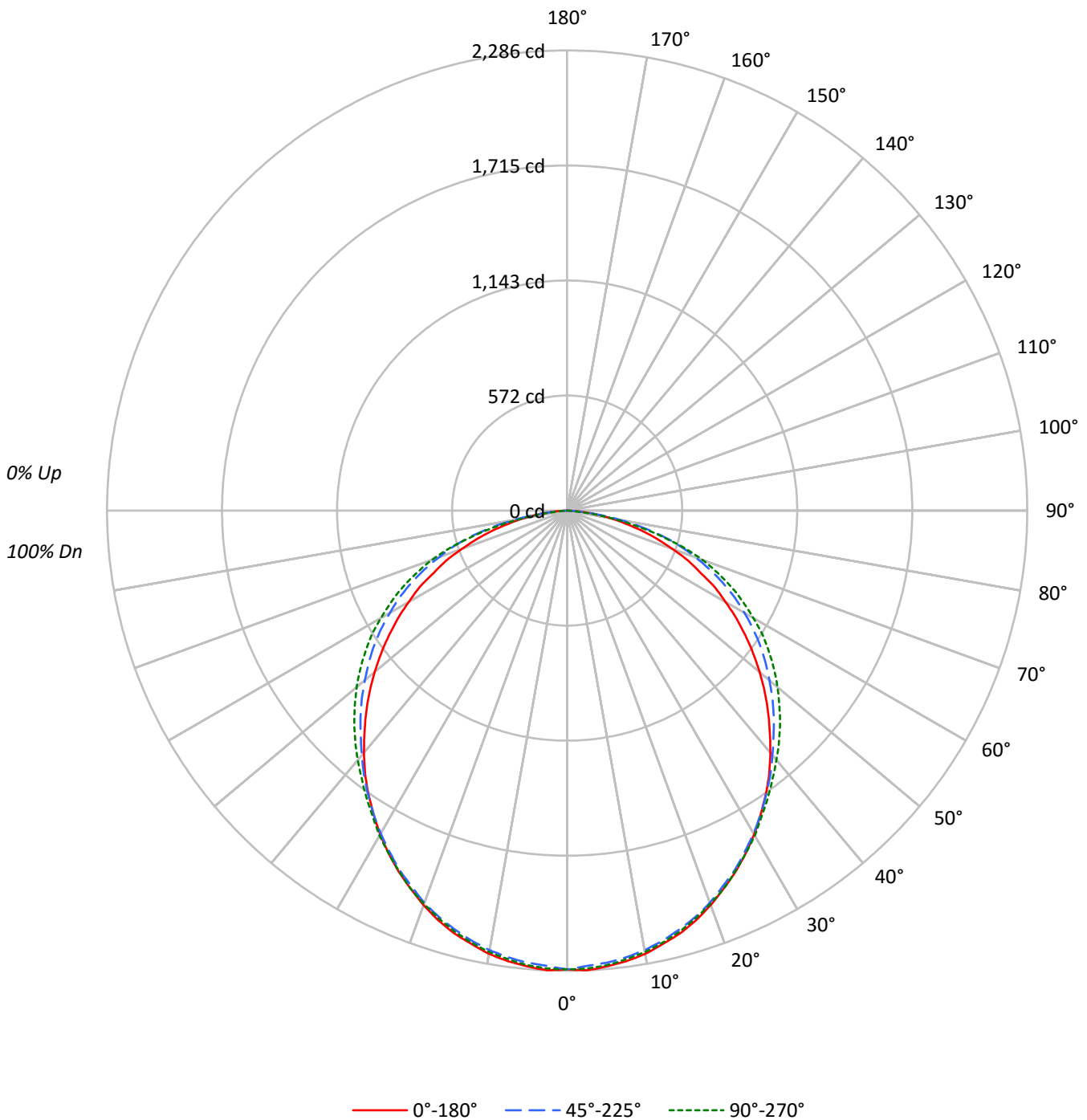
Lumens per Lamp: N/A
Luminaire Lumens: 6383.5 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.3
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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6134	6134	6134
5°	6140	6090	6124
10°	6109	6058	6084
15°	6055	6003	6028
20°	5973	5938	5955
25°	5878	5850	5869
30°	5773	5754	5793
35°	5652	5662	5714
40°	5518	5572	5682
45°	5371	5526	5692
50°	5229	5490	5713
55°	5069	5494	5742
60°	4891	5479	5747
65°	4653	5448	5746
70°	4373	5331	5626
75°	3961	5097	4934
80°	3388	4113	3629
85°	2411	1930	577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	3.4
10°-20°	610.4	9.6
20°-30°	910.4	14.3
30°-40°	1081.7	16.9
40°-50°	1122.7	17.6
50°-60°	1038.3	16.3
60°-70°	827.1	13.0
70°-80°	484.1	7.6
80°-90°	93.9	1.5
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°	1735.8	27.2
0°-40°	2817.4	44.1
0°-60°	4978.4	78.0
0°-90°	6383.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6383.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2280	2280	2280	2280	2280	
5°	2273	2267	2254	2267	2267	216
15°	2173	2170	2155	2170	2164	612
25°	1980	1977	1970	1980	1977	912
35°	1720	1720	1724	1736	1739	1076
45°	1411	1427	1452	1486	1496	1089
55°	1080	1112	1171	1212	1224	966
65°	731	784	856	890	902	728
75°	381	443	490	484	475	403
85°	78	94	62	31	19	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2279.5	2279.5	2279.5	2279.5	2279.5
2.5°	2285.7	2279.5	2263.9	2279.5	2276.3
5°	2273.2	2267.0	2254.5	2267.0	2267.0
7.5°	2257.6	2251.4	2238.9	2251.4	2248.2
10°	2235.8	2229.5	2217.0	2229.5	2226.4
12.5°	2204.5	2201.4	2188.9	2201.4	2198.3
15°	2173.3	2170.2	2154.6	2170.2	2163.9
17.5°	2132.7	2129.6	2117.1	2126.5	2123.3
20°	2085.9	2079.6	2073.4	2082.8	2079.6
22.5°	2032.8	2029.7	2020.3	2035.9	2032.8
25°	1979.7	1976.6	1970.3	1979.7	1976.6
27.5°	1920.4	1917.3	1911.0	1923.5	1920.4
30°	1857.9	1857.9	1851.7	1867.3	1864.2
32.5°	1789.2	1789.2	1789.2	1798.6	1798.6
35°	1720.5	1720.5	1723.7	1736.1	1739.3
37.5°	1648.7	1648.7	1658.1	1676.8	1676.8
40°	1570.7	1576.9	1586.3	1614.4	1617.5
42.5°	1489.5	1502.0	1517.6	1551.9	1558.2
45°	1411.4	1427.0	1452.0	1486.3	1495.7
47.5°	1330.2	1348.9	1383.3	1420.8	1430.1
50°	1249.0	1274.0	1311.5	1355.2	1364.6
52.5°	1164.7	1192.8	1242.8	1286.5	1295.9
55°	1080.4	1111.6	1171.0	1211.6	1224.0
57.5°	996.1	1030.4	1096.0	1136.6	1152.2
60°	908.7	946.1	1018.0	1055.4	1067.9
62.5°	827.5	868.1	939.9	974.2	986.7
65°	730.7	783.8	855.6	889.9	902.4
67.5°	652.6	702.6	768.2	805.6	808.7
70°	555.8	618.3	677.6	708.8	715.1
72.5°	468.4	530.8	590.2	602.7	602.7
75°	381.0	443.4	490.2	484.0	474.6
77.5°	293.5	356.0	381.0	359.1	349.7
80°	218.6	271.7	265.4	243.6	234.2
82.5°	143.6	184.2	156.1	131.1	118.7
85°	78.1	93.7	62.5	31.2	18.7
87.5°	28.1	18.7	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)