

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: P302061

Luminaire Tested: **ZX-WO-60L830-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302061
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-60L830-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

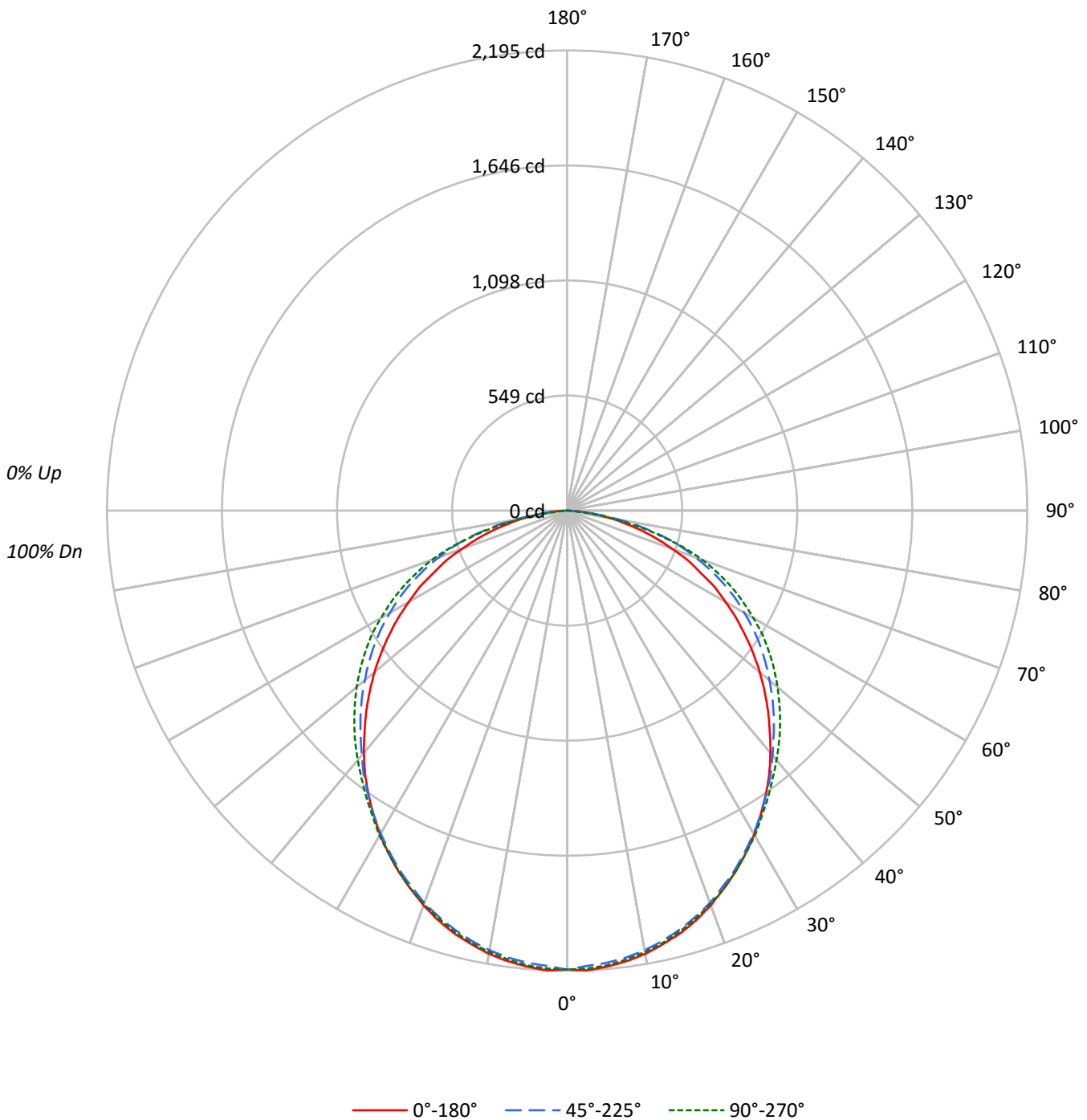
Lumens per Lamp: N/A
Luminaire Lumens: 6130.9 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5891	5891	5891
5°	5898	5849	5881
10°	5867	5818	5843
15°	5815	5765	5790
20°	5737	5702	5720
25°	5646	5619	5637
30°	5545	5526	5563
35°	5428	5438	5487
40°	5299	5352	5457
45°	5159	5307	5467
50°	5022	5273	5487
55°	4868	5276	5515
60°	4697	5262	5520
65°	4469	5232	5519
70°	4200	5120	5404
75°	3804	4895	4739
80°	3253	3950	3485
85°	2316	1853	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.5	3.4
10°-20°	586.2	9.6
20°-30°	874.4	14.3
30°-40°	1038.9	16.9
40°-50°	1078.3	17.6
50°-60°	997.2	16.3
60°-70°	794.3	13.0
70°-80°	464.9	7.6
80°-90°	90.2	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°	1667.1	27.2
0°-40°	2705.9	44.1
0°-60°	4781.4	78.0
0°-90°	6130.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6130.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2189	2189	2189	2189	2189	
5°	2183	2177	2165	2177	2177	207
15°	2087	2084	2069	2084	2078	588
25°	1901	1898	1892	1901	1898	876
35°	1652	1652	1655	1667	1670	1033
45°	1356	1370	1394	1428	1436	1046
55°	1038	1068	1125	1164	1176	928
65°	702	753	822	855	867	699
75°	366	426	471	465	456	387
85°	75	90	60	30	18	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2189.3	2189.3	2189.3	2189.3	2189.3
2.5°	2195.3	2189.3	2174.3	2189.3	2186.3
5°	2183.3	2177.3	2165.3	2177.3	2177.3
7.5°	2168.3	2162.3	2150.3	2162.3	2159.3
10°	2147.3	2141.3	2129.3	2141.3	2138.3
12.5°	2117.3	2114.3	2102.3	2114.3	2111.3
15°	2087.3	2084.3	2069.3	2084.3	2078.3
17.5°	2048.3	2045.3	2033.3	2042.3	2039.3
20°	2003.3	1997.3	1991.3	2000.3	1997.3
22.5°	1952.3	1949.3	1940.3	1955.3	1952.3
25°	1901.4	1898.4	1892.4	1901.4	1898.4
27.5°	1844.4	1841.4	1835.4	1847.4	1844.4
30°	1784.4	1784.4	1778.4	1793.4	1790.4
32.5°	1718.4	1718.4	1718.4	1727.4	1727.4
35°	1652.4	1652.4	1655.4	1667.4	1670.4
37.5°	1583.5	1583.5	1592.5	1610.5	1610.5
40°	1508.5	1514.5	1523.5	1550.5	1553.5
42.5°	1430.5	1442.5	1457.5	1490.5	1496.5
45°	1355.5	1370.5	1394.5	1427.5	1436.5
47.5°	1277.6	1295.6	1328.5	1364.5	1373.5
50°	1199.6	1223.6	1259.6	1301.6	1310.6
52.5°	1118.6	1145.6	1193.6	1235.6	1244.6
55°	1037.6	1067.6	1124.6	1163.6	1175.6
57.5°	956.7	989.7	1052.6	1091.6	1106.6
60°	872.7	908.7	977.7	1013.7	1025.7
62.5°	794.7	833.7	902.7	935.7	947.7
65°	701.8	752.7	821.7	854.7	866.7
67.5°	626.8	674.8	737.7	773.7	776.7
70°	533.8	593.8	650.8	680.8	686.8
72.5°	449.8	509.8	566.8	578.8	578.8
75°	365.9	425.9	470.8	464.8	455.8
77.5°	281.9	341.9	365.9	344.9	335.9
80°	209.9	260.9	254.9	233.9	224.9
82.5°	138.0	176.9	149.9	126.0	114.0
85°	75.0	90.0	60.0	30.0	18.0
87.5°	27.0	18.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)