

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: P302026

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-60L830-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

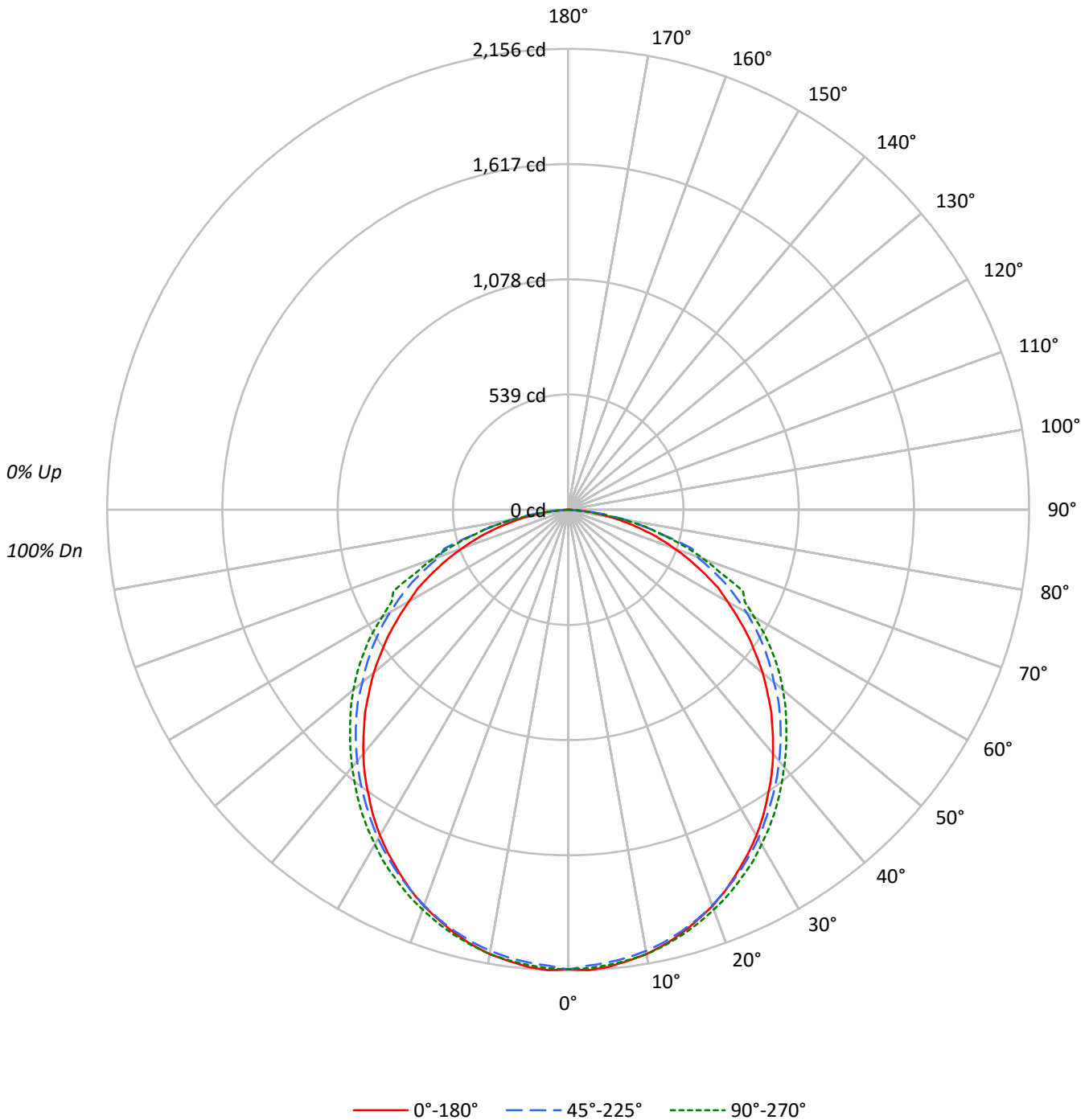
Lumens per Lamp: N/A
Luminaire Lumens: 6113.9 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	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°	5786	5786	5786
5°	5800	5744	5776
10°	5769	5728	5769
15°	5715	5690	5740
20°	5651	5642	5702
25°	5556	5583	5663
30°	5470	5526	5619
35°	5349	5448	5576
40°	5236	5394	5520
45°	5113	5341	5490
50°	4972	5261	5487
55°	4812	5234	5473
60°	4632	5181	5407
65°	4450	5137	5748
70°	4153	5026	5309
75°	3742	4864	4770
80°	3160	4183	3950
85°	2316	2038	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.1	3.3
10°-20°	578.8	9.5
20°-30°	870.0	14.2
30°-40°	1040.7	17.0
40°-50°	1079.0	17.6
50°-60°	989.5	16.2
60°-70°	787.1	12.9
70°-80°	467.7	7.6
80°-90°	98.0	1.6
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°	1651.8	27.0
0°-40°	2692.5	44.0
0°-60°	4761.0	77.9
0°-90°	6113.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6113.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2147	2141	2126	2141	2138	204
15°	2051	2048	2042	2060	2060	578
25°	1871	1874	1880	1907	1907	863
35°	1628	1637	1658	1691	1697	1020
45°	1344	1364	1404	1434	1442	1035
55°	1026	1062	1116	1161	1167	916
65°	699	741	807	840	903	692
75°	360	411	468	465	459	383
85°	75	93	66	36	24	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2150.3	2150.3	2150.3	2150.3	2150.3
2.5°	2156.3	2150.3	2135.3	2150.3	2147.3
5°	2147.3	2141.3	2126.3	2141.3	2138.3
7.5°	2129.3	2126.3	2114.3	2129.3	2126.3
10°	2111.3	2105.3	2096.3	2111.3	2111.3
12.5°	2084.3	2078.3	2072.3	2090.3	2087.3
15°	2051.3	2048.3	2042.3	2060.3	2060.3
17.5°	2012.3	2012.3	2009.3	2027.3	2027.3
20°	1973.3	1970.3	1970.3	1991.3	1991.3
22.5°	1925.3	1925.3	1925.3	1952.3	1952.3
25°	1871.4	1874.4	1880.4	1907.4	1907.4
27.5°	1817.4	1823.4	1829.4	1856.4	1862.4
30°	1760.4	1763.4	1778.4	1805.4	1808.4
32.5°	1697.4	1703.4	1718.4	1748.4	1754.4
35°	1628.4	1637.4	1658.4	1691.4	1697.4
37.5°	1562.5	1574.5	1598.5	1631.4	1634.4
40°	1490.5	1505.5	1535.5	1565.5	1571.5
42.5°	1415.5	1433.5	1469.5	1502.5	1508.5
45°	1343.5	1364.5	1403.5	1433.5	1442.5
47.5°	1262.6	1286.6	1334.5	1370.5	1379.5
50°	1187.6	1211.6	1256.6	1301.6	1310.6
52.5°	1103.6	1136.6	1187.6	1232.6	1241.6
55°	1025.7	1061.6	1115.6	1160.6	1166.6
57.5°	941.7	980.7	1040.6	1082.6	1091.6
60°	860.7	902.7	962.7	1001.7	1004.7
62.5°	788.7	824.7	884.7	920.7	929.7
65°	698.8	740.7	806.7	839.7	902.7
67.5°	614.8	656.8	719.8	830.7	770.7
70°	527.8	575.8	638.8	668.8	674.8
72.5°	446.8	494.8	608.8	575.8	572.8
75°	359.9	410.9	467.8	464.8	458.8
77.5°	278.9	332.9	365.9	368.9	368.9
80°	203.9	269.9	269.9	269.9	254.9
82.5°	132.0	173.9	173.9	149.9	135.0
85°	75.0	93.0	66.0	36.0	24.0
87.5°	27.0	21.0	6.0	6.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)