

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: P302032

Luminaire Tested: **RX-WO-60L835-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302032
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-60L835-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

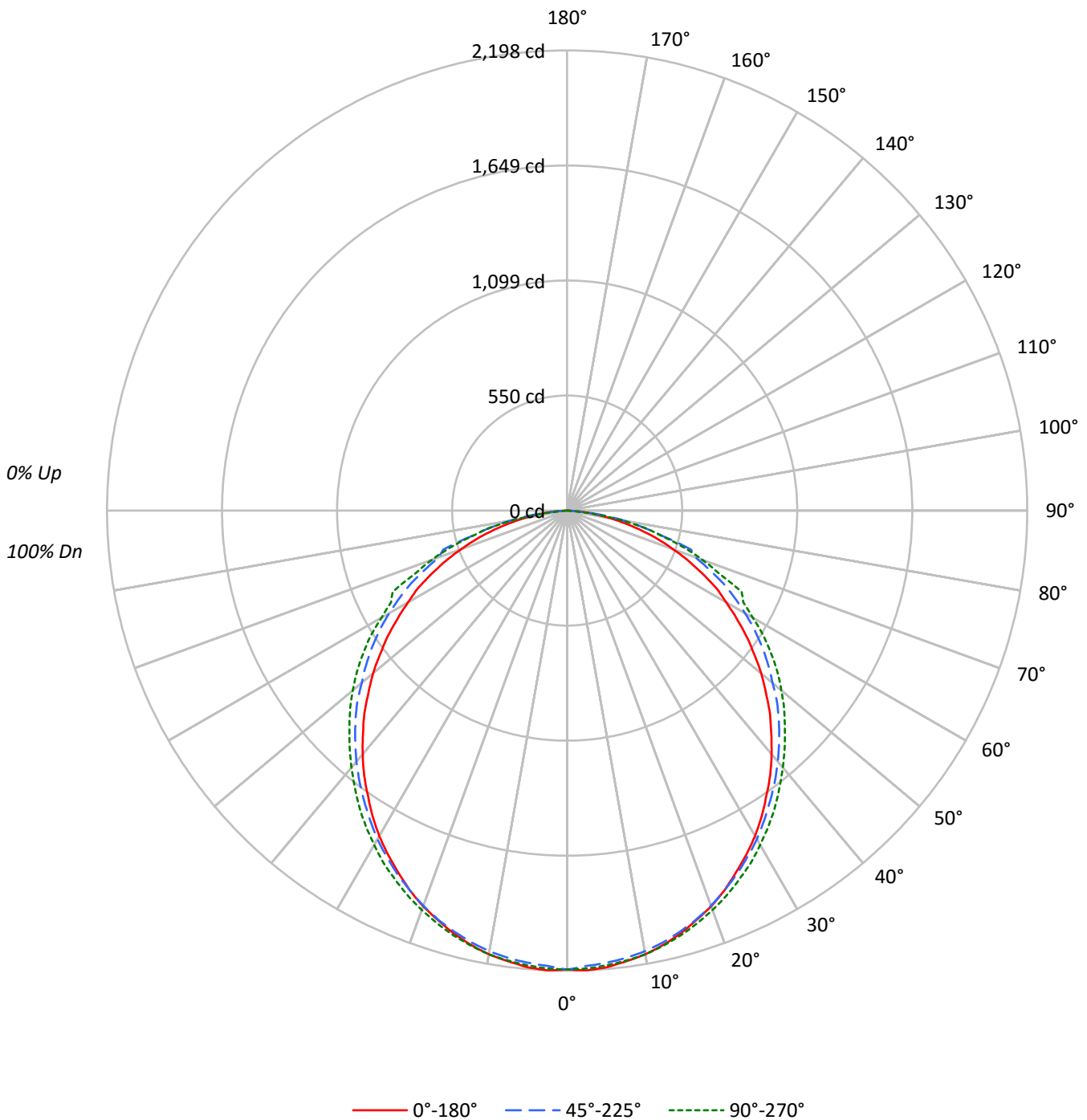
Lumens per Lamp: N/A
Luminaire Lumens: 6233.3 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5899	5899	5899
5°	5914	5856	5889
10°	5882	5840	5882
15°	5826	5801	5852
20°	5761	5753	5814
25°	5665	5692	5774
30°	5577	5634	5729
35°	5454	5554	5685
40°	5338	5499	5628
45°	5213	5445	5597
50°	5069	5363	5593
55°	4906	5336	5580
60°	4723	5282	5513
65°	4536	5237	5860
70°	4234	5124	5412
75°	3815	4959	4864
80°	3222	4265	4028
85°	2359	2078	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.0	3.3
10°-20°	590.1	9.5
20°-30°	887.0	14.2
30°-40°	1061.0	17.0
40°-50°	1100.1	17.6
50°-60°	1008.8	16.2
60°-70°	802.5	12.9
70°-80°	476.8	7.6
80°-90°	100.0	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°	1684.1	27.0
0°-40°	2745.1	44.0
0°-60°	4854.0	77.9
0°-90°	6233.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6233.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2192	2192	2192	2192	2192	
5°	2189	2183	2168	2183	2180	208
15°	2091	2088	2082	2100	2100	590
25°	1908	1911	1917	1945	1945	880
35°	1660	1669	1691	1724	1731	1040
45°	1370	1391	1431	1462	1471	1055
55°	1046	1082	1137	1183	1189	934
65°	712	755	822	856	920	705
75°	367	419	477	474	468	390
85°	76	95	67	37	24	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2192.3	2192.3	2192.3	2192.3	2192.3
2.5°	2198.4	2192.3	2177.0	2192.3	2189.2
5°	2189.2	2183.1	2167.8	2183.1	2180.0
7.5°	2170.9	2167.8	2155.6	2170.9	2167.8
10°	2152.5	2146.4	2137.2	2152.5	2152.5
12.5°	2125.0	2118.9	2112.8	2131.1	2128.1
15°	2091.4	2088.3	2082.2	2100.5	2100.5
17.5°	2051.6	2051.6	2048.6	2066.9	2066.9
20°	2011.9	2008.8	2008.8	2030.2	2030.2
22.5°	1962.9	1962.9	1962.9	1990.5	1990.5
25°	1907.9	1911.0	1917.1	1944.6	1944.6
27.5°	1852.9	1859.0	1865.1	1892.6	1898.7
30°	1794.8	1797.8	1813.1	1840.6	1843.7
32.5°	1730.6	1736.7	1752.0	1782.6	1788.7
35°	1660.2	1669.4	1690.8	1724.5	1730.6
37.5°	1593.0	1605.2	1629.7	1663.3	1666.4
40°	1519.6	1534.9	1565.5	1596.0	1602.2
42.5°	1443.2	1461.5	1498.2	1531.8	1537.9
45°	1369.8	1391.2	1430.9	1461.5	1470.7
47.5°	1287.2	1311.7	1360.6	1397.3	1406.5
50°	1210.8	1235.3	1281.1	1327.0	1336.1
52.5°	1125.2	1158.8	1210.8	1256.7	1265.8
55°	1045.7	1082.4	1137.4	1183.3	1189.4
57.5°	960.1	999.8	1061.0	1103.8	1112.9
60°	877.5	920.3	981.5	1021.2	1024.3
62.5°	804.1	840.8	902.0	938.7	947.8
65°	712.4	755.2	822.5	856.1	920.3
67.5°	626.8	669.6	733.8	846.9	785.8
70°	538.1	587.0	651.3	681.8	687.9
72.5°	455.6	504.5	620.7	587.0	584.0
75°	366.9	418.9	477.0	473.9	467.8
77.5°	284.4	339.4	373.0	376.1	376.1
80°	207.9	275.2	275.2	275.2	259.9
82.5°	134.5	177.3	177.3	152.9	137.6
85°	76.4	94.8	67.3	36.7	24.5
87.5°	27.5	21.4	6.1	6.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)