

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: P302168

Luminaire Tested: **RX-WO-20L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

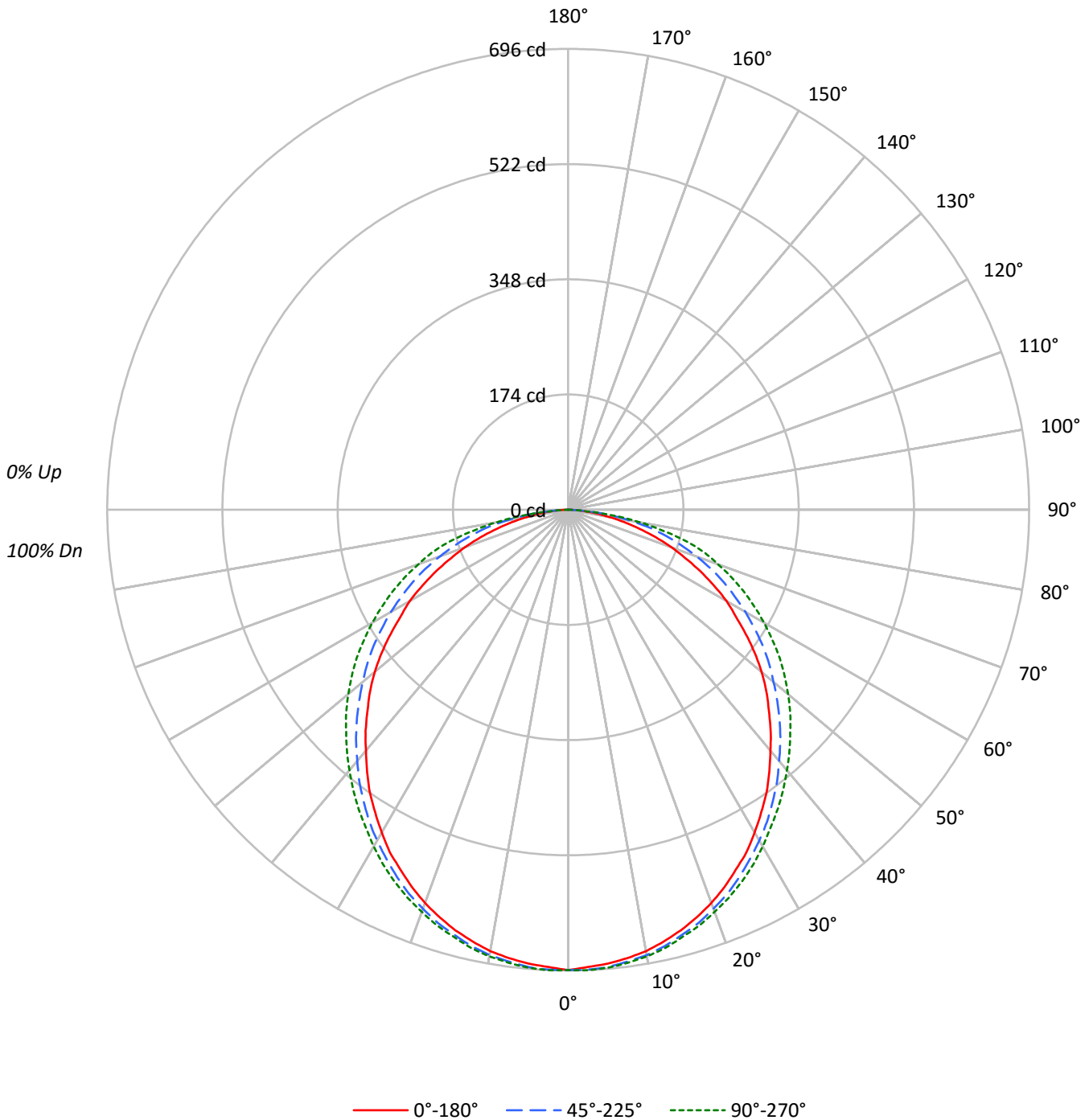
Lumens per Lamp: N/A
Luminaire Lumens: 1990.6 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1871	1871	1871
5°	1859	1873	1875
10°	1850	1867	1872
15°	1832	1852	1860
20°	1810	1836	1851
25°	1780	1816	1841
30°	1749	1793	1825
35°	1715	1768	1812
40°	1669	1741	1805
45°	1630	1719	1804
50°	1596	1695	1814
55°	1536	1684	1827
60°	1487	1662	1838
65°	1402	1649	1863
70°	1308	1620	1893
75°	1155	1590	1930
80°	964	1485	1722
85°	722	1007	914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	3.3
10°-20°	187.3	9.4
20°-30°	281.5	14.1
30°-40°	336.3	16.9
40°-50°	348.7	17.5
50°-60°	320.3	16.1
60°-70°	254.3	12.8
70°-80°	157.9	7.9
80°-90°	38.6	1.9
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°	534.5	26.9
0°-40°	870.8	43.7
0°-60°	1539.8	77.4
0°-90°	1990.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	695	695	695	695	695	
5°	688	690	693	694	694	65
15°	658	660	665	668	668	185
25°	600	604	612	619	620	276
35°	522	527	538	548	552	326
45°	428	434	452	469	474	331
55°	327	335	359	381	390	293
65°	220	230	259	283	293	218
75°	111	125	153	176	186	119
85°	23	28	33	32	30	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695.3	695.3	695.3	695.3	695.3
2.5°	691.2	692.3	695.3	697.4	696.3
5°	688.2	690.2	693.3	694.3	694.3
7.5°	683.1	685.1	688.2	690.2	690.2
10°	677.0	679.0	683.1	685.1	685.1
12.5°	667.8	669.8	674.9	677.0	678.0
15°	657.6	659.6	664.7	667.8	667.8
17.5°	645.4	648.4	654.5	657.6	658.6
20°	632.1	635.2	641.3	645.4	646.4
22.5°	616.8	619.9	628.0	633.1	634.1
25°	599.5	603.6	611.7	618.9	619.9
27.5°	583.2	586.2	594.4	601.5	604.6
30°	562.8	567.9	577.1	585.2	587.2
32.5°	542.4	548.5	558.7	567.9	568.9
35°	522.0	527.1	538.3	548.5	551.6
37.5°	498.6	503.6	517.9	529.1	533.2
40°	475.1	482.2	495.5	508.7	513.8
42.5°	452.7	459.8	474.1	489.4	494.5
45°	428.2	434.3	451.7	469.0	474.1
47.5°	405.8	410.9	428.2	448.6	454.7
50°	381.3	385.4	404.8	427.2	433.3
52.5°	354.8	360.9	382.3	404.8	411.9
55°	327.3	335.4	358.9	381.3	389.5
57.5°	299.7	308.9	333.4	357.9	365.0
60°	276.3	282.4	308.9	333.4	341.5
62.5°	247.7	256.9	283.4	308.9	317.1
65°	220.2	230.4	259.0	283.4	292.6
67.5°	191.7	203.9	233.5	256.9	267.1
70°	166.2	178.4	205.9	230.4	240.6
72.5°	138.7	151.9	179.4	204.9	216.1
75°	111.1	125.4	152.9	176.4	185.6
77.5°	86.7	100.9	126.4	142.7	146.8
80°	62.2	74.4	95.8	107.1	111.1
82.5°	41.8	51.0	65.2	69.3	71.4
85°	23.4	28.5	32.6	31.6	29.6
87.5°	10.2	8.2	7.1	3.1	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)