

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: P302045

Luminaire Tested: **RX-WO-20L935-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302045
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-20L935-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

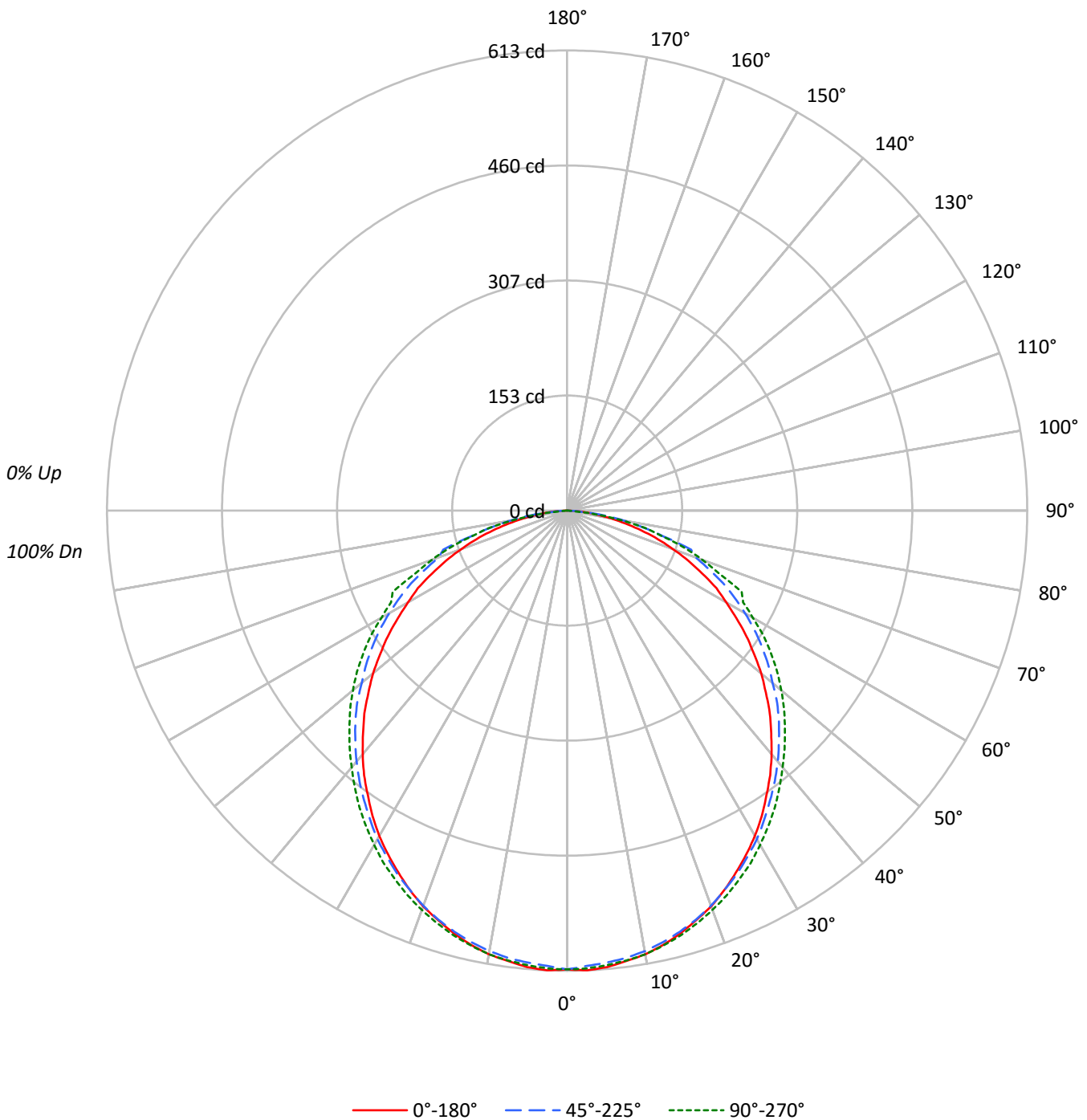
Lumens per Lamp: N/A
Luminaire Lumens: 1738.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1645	1645	1645
5°	1649	1633	1642
10°	1640	1628	1640
15°	1624	1617	1632
20°	1607	1604	1621
25°	1580	1587	1610
30°	1555	1571	1597
35°	1521	1549	1585
40°	1488	1533	1569
45°	1453	1518	1561
50°	1413	1495	1559
55°	1368	1488	1556
60°	1317	1473	1537
65°	1265	1460	1634
70°	1180	1429	1509
75°	1064	1383	1356
80°	899	1189	1124
85°	658	580	210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	3.3
10°-20°	164.5	9.5
20°-30°	247.3	14.2
30°-40°	295.8	17.0
40°-50°	306.7	17.6
50°-60°	281.3	16.2
60°-70°	223.7	12.9
70°-80°	133.0	7.6
80°-90°	27.9	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°	469.6	27.0
0°-40°	765.4	44.0
0°-60°	1353.4	77.9
0°-90°	1738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	610	609	604	609	608	58
15°	583	582	581	586	586	164
25°	532	533	534	542	542	245
35°	463	466	471	481	482	290
45°	382	388	399	408	410	294
55°	292	302	317	330	332	260
65°	199	211	229	239	257	197
75°	102	117	133	132	130	109
85°	21	26	19	10	7	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	611.2	611.2	611.2	611.2	611.2
2.5°	613.0	611.2	607.0	611.2	610.4
5°	610.4	608.7	604.4	608.7	607.8
7.5°	605.3	604.4	601.0	605.3	604.4
10°	600.2	598.5	595.9	600.2	600.2
12.5°	592.5	590.8	589.1	594.2	593.3
15°	583.1	582.3	580.6	585.7	585.7
17.5°	572.0	572.0	571.2	576.3	576.3
20°	561.0	560.1	560.1	566.1	566.1
22.5°	547.3	547.3	547.3	555.0	555.0
25°	532.0	532.8	534.5	542.2	542.2
27.5°	516.6	518.3	520.0	527.7	529.4
30°	500.4	501.3	505.5	513.2	514.1
32.5°	482.5	484.2	488.5	497.0	498.7
35°	462.9	465.5	471.4	480.8	482.5
37.5°	444.2	447.6	454.4	463.8	464.6
40°	423.7	428.0	436.5	445.0	446.7
42.5°	402.4	407.5	417.7	427.1	428.8
45°	381.9	387.9	399.0	407.5	410.1
47.5°	358.9	365.7	379.4	389.6	392.2
50°	337.6	344.4	357.2	370.0	372.5
52.5°	313.7	323.1	337.6	350.4	352.9
55°	291.6	301.8	317.1	329.9	331.6
57.5°	267.7	278.8	295.8	307.8	310.3
60°	244.7	256.6	273.7	284.7	285.6
62.5°	224.2	234.4	251.5	261.7	264.3
65°	198.6	210.6	229.3	238.7	256.6
67.5°	174.8	186.7	204.6	236.1	219.1
70°	150.0	163.7	181.6	190.1	191.8
72.5°	127.0	140.7	173.1	163.7	162.8
75°	102.3	116.8	133.0	132.1	130.4
77.5°	79.3	94.6	104.0	104.9	104.9
80°	58.0	76.7	76.7	76.7	72.5
82.5°	37.5	49.4	49.4	42.6	38.4
85°	21.3	26.4	18.8	10.2	6.8
87.5°	7.7	6.0	1.7	1.7	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)