

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: P302394

Luminaire Tested: **RX-WO-45L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-45L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.5 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

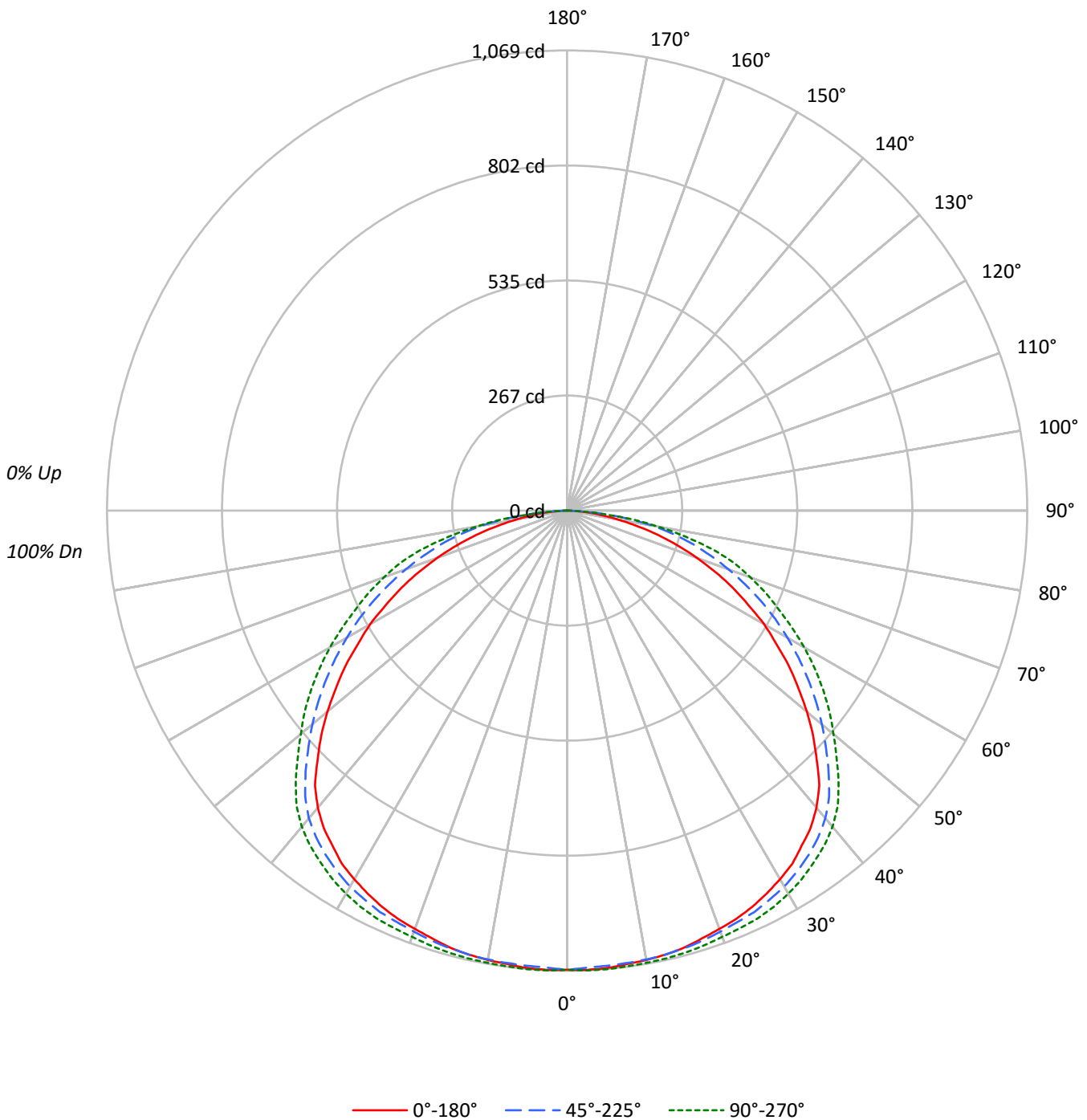
Input Watts (W): 35.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		55	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1435	1435	1435
5°	1441	1434	1444
10°	1448	1447	1457
15°	1464	1466	1480
20°	1481	1490	1509
25°	1509	1528	1553
30°	1536	1567	1597
35°	1561	1605	1639
40°	1582	1639	1685
45°	1561	1635	1697
50°	1522	1617	1690
55°	1475	1602	1703
60°	1423	1590	1713
65°	1353	1580	1725
70°	1259	1570	1779
75°	1132	1577	1826
80°	934	1557	1667
85°	681	1161	1081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	2.8
10°-20°	298.7	8.2
20°-30°	475.7	13.1
30°-40°	611.6	16.8
40°-50°	661.3	18.2
50°-60°	608.3	16.7
60°-70°	485.0	13.4
70°-80°	308.1	8.5
80°-90°	82.1	2.3
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°	876.0	24.1
0°-40°	1487.6	41.0
0°-60°	2757.3	75.9
0°-90°	3632.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3632.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1067	1067	1062	1068	1069	102
15°	1051	1052	1052	1062	1063	297
25°	1016	1020	1029	1041	1046	469
35°	950	960	977	995	998	595
45°	820	835	859	883	892	632
55°	629	647	683	714	726	561
65°	425	447	496	533	542	420
75°	218	249	303	344	351	230
85°	44	69	75	75	70	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.7	1066.7	1066.7	1066.7	1066.7
2.5°	1068.0	1068.0	1062.8	1069.3	1069.3
5°	1066.7	1066.7	1061.5	1068.0	1069.3
7.5°	1062.8	1064.1	1060.2	1066.7	1068.0
10°	1060.2	1061.5	1058.9	1065.4	1066.7
12.5°	1056.3	1057.6	1056.3	1064.1	1065.4
15°	1051.2	1052.5	1052.5	1061.5	1062.8
17.5°	1042.1	1044.7	1047.3	1057.6	1058.9
20°	1034.3	1036.9	1040.8	1052.5	1053.8
22.5°	1026.5	1029.1	1034.3	1048.6	1049.9
25°	1016.2	1020.1	1029.1	1040.8	1046.0
27.5°	1003.2	1011.0	1018.8	1033.0	1038.2
30°	988.9	996.7	1008.4	1023.9	1027.8
32.5°	973.4	981.2	994.1	1011.0	1014.9
35°	950.1	960.4	977.3	995.4	998.0
37.5°	929.3	939.7	957.8	977.3	981.2
40°	900.8	913.8	933.2	951.4	959.1
42.5°	867.1	880.1	900.8	922.8	930.6
45°	820.4	834.7	859.3	882.7	891.7
47.5°	775.1	788.0	815.3	842.5	849.0
50°	727.1	742.7	772.5	801.0	807.5
52.5°	676.6	696.0	728.4	758.2	768.6
55°	628.6	646.8	683.1	714.2	725.8
57.5°	575.5	597.5	637.7	671.4	681.8
60°	528.8	548.3	591.0	626.0	636.4
62.5°	474.4	497.7	544.4	579.4	588.4
65°	425.1	447.2	496.4	532.7	541.8
67.5°	372.0	397.9	447.2	484.8	499.0
70°	320.1	347.4	399.2	438.1	452.3
72.5°	268.3	298.1	350.0	390.1	408.3
75°	217.7	248.9	303.3	343.5	351.3
77.5°	167.2	202.2	254.0	282.6	282.6
80°	120.5	155.5	200.9	208.7	215.2
82.5°	80.4	112.8	137.4	145.2	146.5
85°	44.1	68.7	75.2	75.2	70.0
87.5°	16.8	22.0	15.6	7.8	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)