

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: P302372

Luminaire Tested: **RX-WO-35L840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302372
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-35L840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

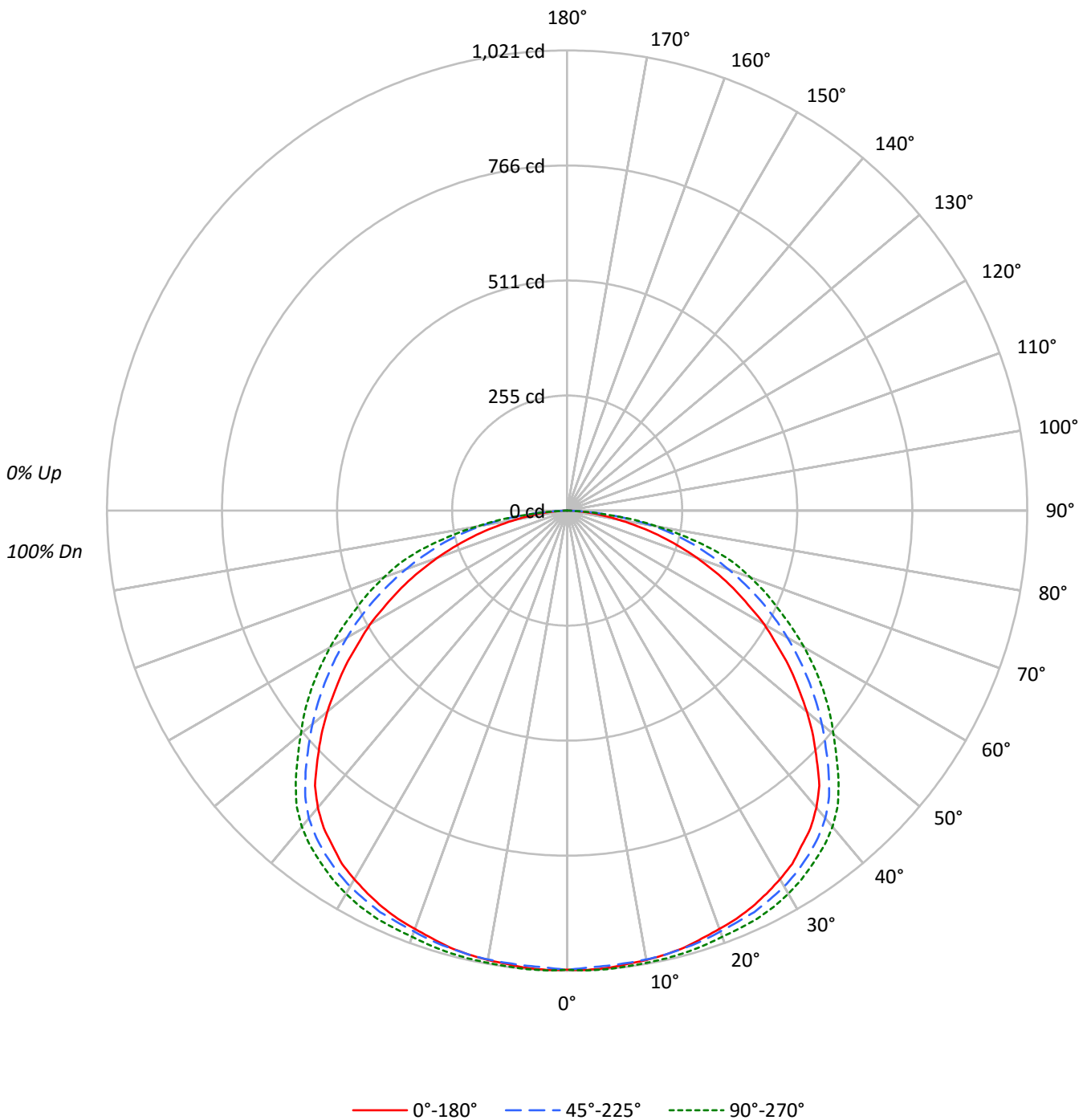
Lumens per Lamp: N/A
Luminaire Lumens: 3469.3 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
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	93	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°	1371	1371	1371
5°	1376	1369	1379
10°	1383	1382	1392
15°	1398	1400	1414
20°	1414	1423	1441
25°	1441	1459	1483
30°	1467	1496	1525
35°	1490	1533	1566
40°	1511	1565	1609
45°	1491	1562	1621
50°	1454	1544	1614
55°	1408	1530	1626
60°	1359	1519	1636
65°	1293	1509	1647
70°	1203	1500	1699
75°	1081	1506	1744
80°	892	1487	1592
85°	650	1108	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	2.8
10°-20°	285.3	8.2
20°-30°	454.4	13.1
30°-40°	584.1	16.8
40°-50°	631.6	18.2
50°-60°	581.0	16.7
60°-70°	463.2	13.4
70°-80°	294.3	8.5
80°-90°	78.4	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°	836.7	24.1
0°-40°	1420.8	41.0
0°-60°	2633.4	75.9
0°-90°	3469.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3469.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1019	1019	1014	1020	1021	97
15°	1004	1005	1005	1014	1015	284
25°	970	974	983	994	999	448
35°	907	917	933	951	953	569
45°	784	797	821	843	852	604
55°	600	618	652	682	693	536
65°	406	427	474	509	517	401
75°	208	238	290	328	336	220
85°	42	66	72	72	67	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1018.8	1018.8	1018.8	1018.8	1018.8
2.5°	1020.0	1020.0	1015.1	1021.3	1021.3
5°	1018.8	1018.8	1013.8	1020.0	1021.3
7.5°	1015.1	1016.3	1012.6	1018.8	1020.0
10°	1012.6	1013.8	1011.4	1017.6	1018.8
12.5°	1008.9	1010.1	1008.9	1016.3	1017.6
15°	1003.9	1005.2	1005.2	1013.8	1015.1
17.5°	995.3	997.7	1000.2	1010.1	1011.4
20°	987.8	990.3	994.0	1005.2	1006.4
22.5°	980.4	982.9	987.8	1001.5	1002.7
25°	970.5	974.2	982.9	994.0	999.0
27.5°	958.1	965.6	973.0	986.6	991.6
30°	944.5	951.9	963.1	977.9	981.7
32.5°	929.7	937.1	949.5	965.6	969.3
35°	907.4	917.3	933.4	950.7	953.2
37.5°	887.6	897.5	914.8	933.4	937.1
40°	860.3	872.7	891.3	908.6	916.0
42.5°	828.2	840.5	860.3	881.4	888.8
45°	783.6	797.2	820.7	843.0	851.7
47.5°	740.3	752.6	778.6	804.6	810.8
50°	694.5	709.3	737.8	765.0	771.2
52.5°	646.2	664.8	695.7	724.2	734.1
55°	600.4	617.7	652.4	682.1	693.2
57.5°	549.6	570.7	609.0	641.2	651.1
60°	505.1	523.6	564.5	597.9	607.8
62.5°	453.1	475.4	519.9	553.3	562.0
65°	406.0	427.1	474.1	508.8	517.4
67.5°	355.3	380.0	427.1	463.0	476.6
70°	305.8	331.8	381.3	418.4	432.0
72.5°	256.2	284.7	334.2	372.6	389.9
75°	208.0	237.7	289.7	328.0	335.5
77.5°	159.7	193.1	242.6	269.9	269.9
80°	115.1	148.5	191.9	199.3	205.5
82.5°	76.7	107.7	131.2	138.6	139.9
85°	42.1	65.6	71.8	71.8	66.8
87.5°	16.1	21.0	14.9	7.4	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)