

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: P302274

Luminaire Tested: **RX-WO-40H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-40H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

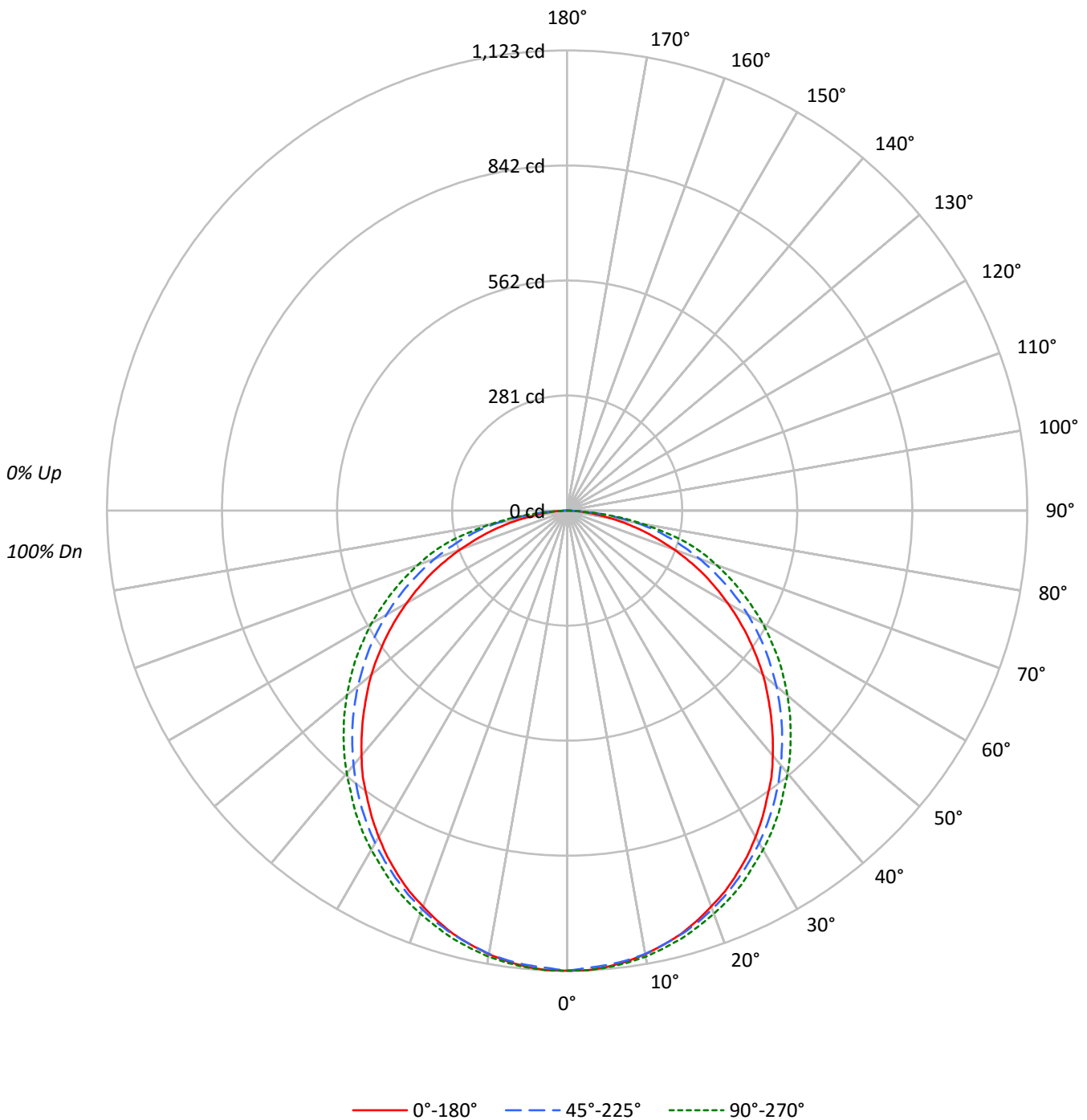
Lumens per Lamp: N/A
Luminaire Lumens: 3268.2 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1511	1511	1511
5°	1510	1504	1512
10°	1502	1501	1510
15°	1491	1492	1506
20°	1472	1482	1499
25°	1454	1469	1495
30°	1429	1456	1485
35°	1399	1442	1478
40°	1371	1425	1470
45°	1337	1410	1468
50°	1307	1395	1468
55°	1265	1383	1476
60°	1219	1372	1486
65°	1170	1360	1498
70°	1093	1350	1524
75°	995	1353	1572
80°	823	1338	1447
85°	630	1064	1027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.2
10°-20°	303.1	9.3
20°-30°	457.3	14.0
30°-40°	549.0	16.8
40°-50°	570.9	17.5
50°-60°	525.1	16.1
60°-70°	418.5	12.8
70°-80°	265.2	8.1
80°-90°	72.9	2.2
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°	866.6	26.5
0°-40°	1415.5	43.3
0°-60°	2511.6	76.8
0°-90°	3268.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3268.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1118	1118	1114	1119	1119	106
15°	1070	1070	1071	1080	1081	302
25°	979	984	990	1004	1007	451
35°	852	861	878	894	900	534
45°	703	718	741	764	772	542
55°	539	557	589	619	629	482
65°	368	386	427	460	470	362
75°	191	216	260	293	302	201
85°	41	58	69	68	66	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.8	1122.8	1122.8	1122.8	1122.8
2.5°	1122.8	1122.8	1117.0	1122.8	1122.8
5°	1118.1	1118.1	1113.5	1119.3	1119.3
7.5°	1110.0	1111.1	1107.6	1113.5	1113.5
10°	1099.4	1100.6	1098.3	1105.3	1105.3
12.5°	1085.4	1086.6	1085.4	1093.6	1093.6
15°	1070.3	1070.3	1071.4	1079.6	1080.8
17.5°	1050.4	1052.8	1055.1	1064.4	1064.4
20°	1028.3	1031.8	1035.3	1046.9	1046.9
22.5°	1006.1	1009.6	1014.2	1025.9	1028.3
25°	979.2	983.9	989.7	1003.7	1007.2
27.5°	951.2	954.7	964.1	979.2	980.4
30°	919.7	925.5	937.2	952.4	955.9
32.5°	887.0	895.2	908.0	925.5	929.0
35°	852.0	861.4	877.7	894.0	899.9
37.5°	819.3	826.3	845.0	863.7	867.2
40°	780.8	791.3	811.2	832.2	836.8
42.5°	742.3	754.0	776.1	797.2	805.3
45°	702.6	717.8	741.1	764.5	771.5
47.5°	662.9	679.3	703.8	729.5	737.6
50°	624.4	639.6	666.4	693.3	701.5
52.5°	581.2	598.7	627.9	657.1	665.3
55°	539.2	556.7	589.4	618.6	629.1
57.5°	496.0	515.9	549.7	580.1	589.4
60°	452.9	473.9	510.0	540.4	552.1
62.5°	409.7	429.5	469.2	499.5	510.0
65°	367.6	386.3	427.2	459.9	470.4
67.5°	322.1	343.1	385.2	419.0	428.3
70°	277.8	298.8	343.1	378.2	387.5
72.5°	232.3	256.8	301.1	335.0	347.8
75°	191.4	215.9	260.3	293.0	302.3
77.5°	148.2	172.7	218.3	241.6	242.8
80°	106.2	134.2	172.7	182.1	186.7
82.5°	70.0	96.9	119.0	130.7	130.7
85°	40.8	58.4	68.9	67.7	66.5
87.5°	15.2	19.8	16.3	11.7	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)