

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: P302264

Luminaire Tested: **RX-WO-40H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302264
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-40H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

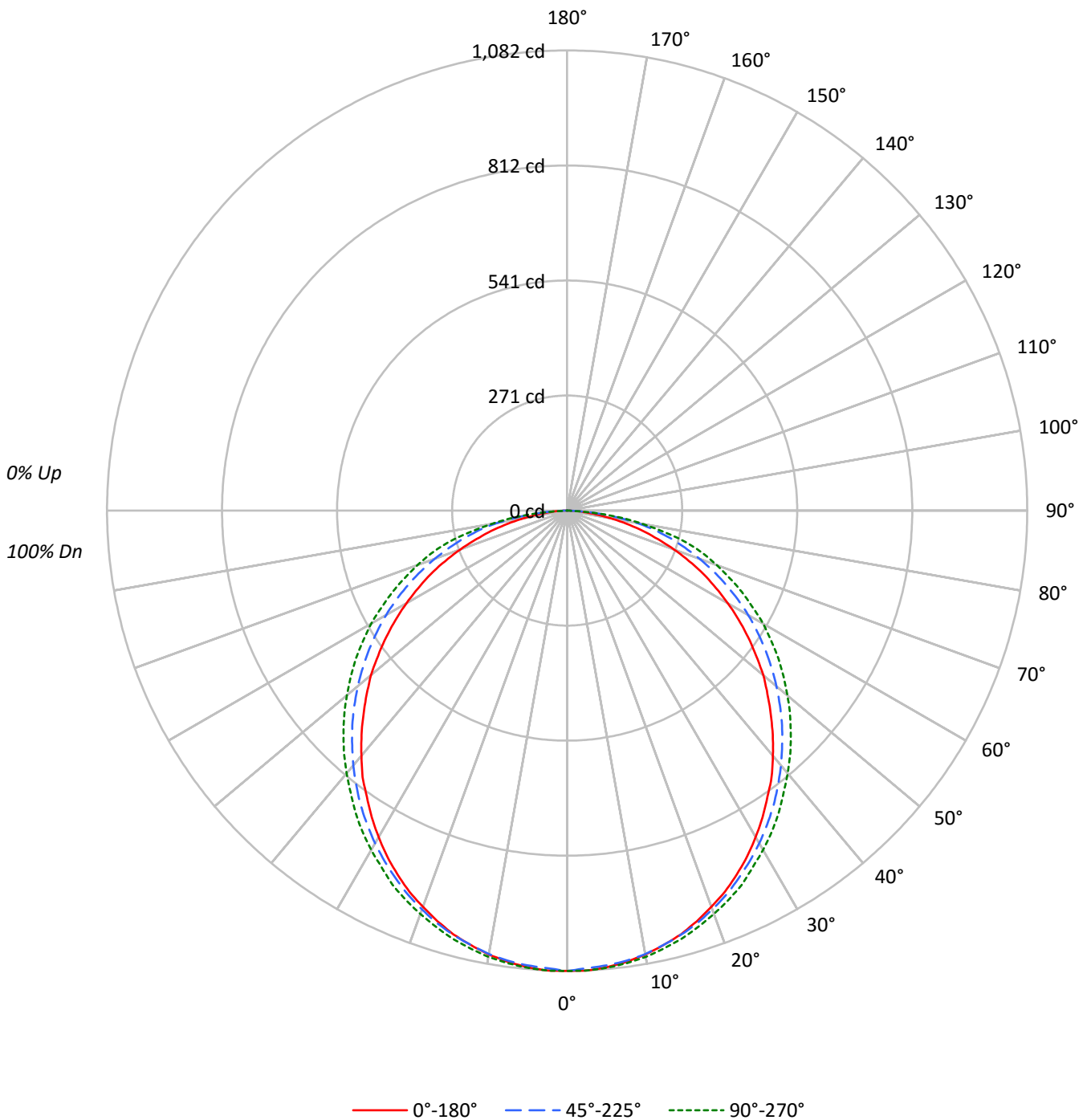
Lumens per Lamp: N/A
Luminaire Lumens: 3150.6 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1456	1456	1456
5°	1456	1450	1457
10°	1448	1447	1456
15°	1437	1439	1451
20°	1419	1429	1445
25°	1401	1416	1442
30°	1377	1404	1432
35°	1349	1390	1425
40°	1322	1374	1417
45°	1289	1360	1415
50°	1260	1345	1415
55°	1219	1333	1423
60°	1175	1323	1432
65°	1128	1311	1443
70°	1054	1301	1470
75°	959	1304	1515
80°	793	1290	1395
85°	608	1025	990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	3.2
10°-20°	292.2	9.3
20°-30°	440.8	14.0
30°-40°	529.2	16.8
40°-50°	550.4	17.5
50°-60°	506.2	16.1
60°-70°	403.4	12.8
70°-80°	255.6	8.1
80°-90°	70.3	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°	835.4	26.5
0°-40°	1364.6	43.3
0°-60°	2421.2	76.8
0°-90°	3150.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3150.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1082	1082	1082	1082	1082	
5°	1078	1078	1073	1079	1079	102
15°	1032	1032	1033	1041	1042	291
25°	944	948	954	968	971	435
35°	821	830	846	862	868	514
45°	677	692	714	737	744	523
55°	520	537	568	596	606	465
65°	354	372	412	443	453	349
75°	184	208	251	282	291	194
85°	39	56	66	65	64	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1082.4	1082.4	1082.4	1082.4	1082.4
2.5°	1082.4	1082.4	1076.8	1082.4	1082.4
5°	1077.9	1077.9	1073.4	1079.0	1079.0
7.5°	1070.0	1071.2	1067.8	1073.4	1073.4
10°	1059.9	1061.0	1058.8	1065.5	1065.5
12.5°	1046.4	1047.5	1046.4	1054.3	1054.3
15°	1031.8	1031.8	1032.9	1040.8	1041.9
17.5°	1012.7	1014.9	1017.2	1026.2	1026.2
20°	991.3	994.6	998.0	1009.3	1009.3
22.5°	969.9	973.3	977.8	989.0	991.3
25°	944.0	948.5	954.1	967.6	971.0
27.5°	917.0	920.4	929.4	944.0	945.1
30°	886.6	892.3	903.5	918.1	921.5
32.5°	855.1	863.0	875.4	892.3	895.6
35°	821.4	830.4	846.1	861.9	867.5
37.5°	789.9	796.6	814.6	832.6	836.0
40°	752.7	762.9	782.0	802.2	806.7
42.5°	715.6	726.9	748.2	768.5	776.4
45°	677.4	692.0	714.5	737.0	743.7
47.5°	639.1	654.8	678.5	703.2	711.1
50°	602.0	616.6	642.5	668.3	676.2
52.5°	560.3	577.2	605.3	633.5	641.3
55°	519.8	536.7	568.2	596.3	606.5
57.5°	478.2	497.3	530.0	559.2	568.2
60°	436.6	456.8	491.7	521.0	532.2
62.5°	394.9	414.1	452.3	481.6	491.7
65°	354.4	372.4	411.8	443.3	453.4
67.5°	310.5	330.8	371.3	403.9	412.9
70°	267.8	288.0	330.8	364.6	373.6
72.5°	223.9	247.5	290.3	322.9	335.3
75°	184.5	208.2	250.9	282.4	291.4
77.5°	142.9	166.5	210.4	232.9	234.0
80°	102.4	129.4	166.5	175.5	180.0
82.5°	67.5	93.4	114.8	126.0	126.0
85°	39.4	56.3	66.4	65.3	64.1
87.5°	14.6	19.1	15.8	11.3	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)