

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: P302108

Luminaire Tested: **RX-WO-44H840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44H840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

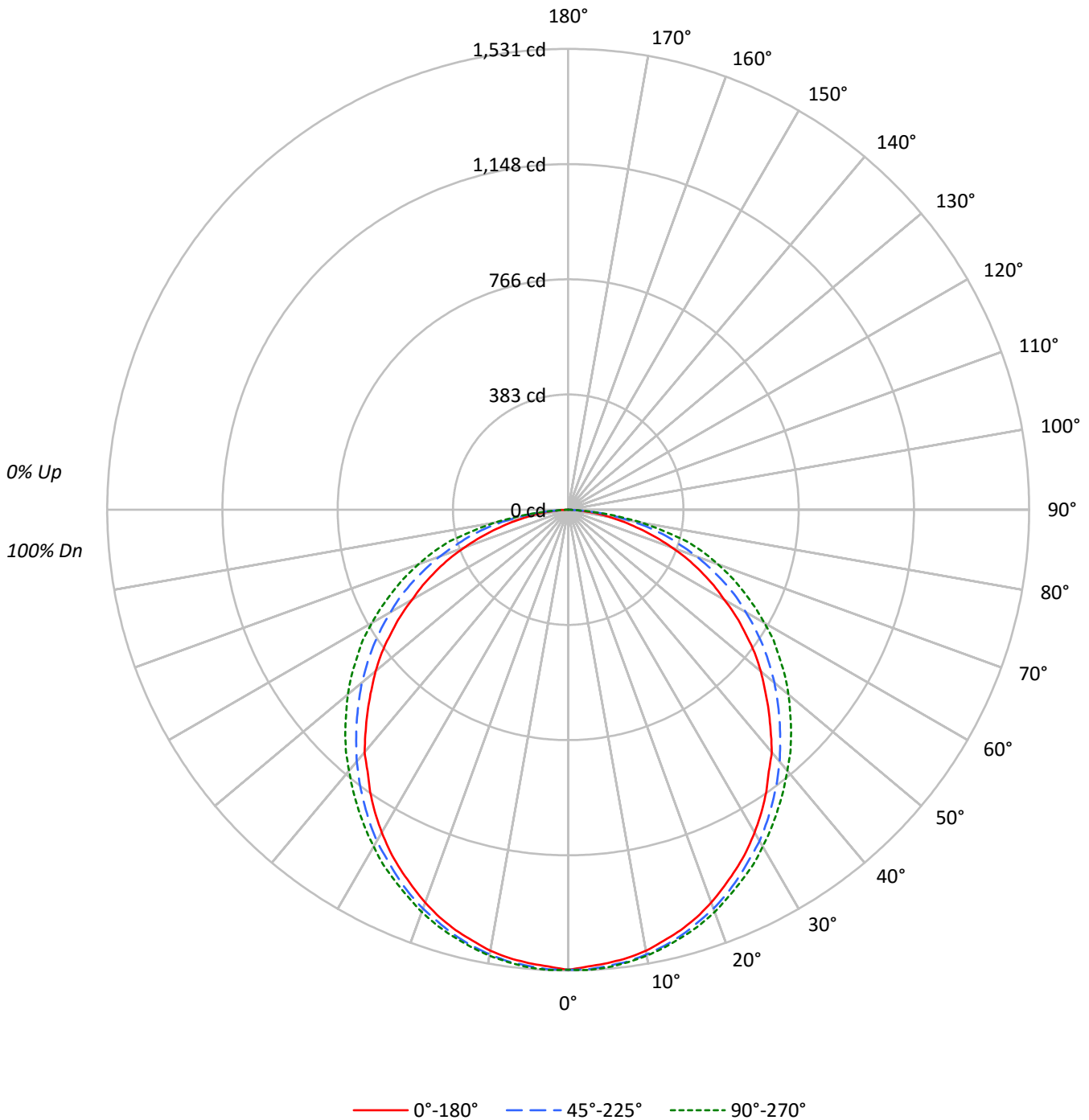
Lumens per Lamp: N/A
Luminaire Lumens: 4380.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.2
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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	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	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4113	4113	4113
5°	4084	4109	4122
10°	4066	4099	4112
15°	4028	4074	4093
20°	3978	4039	4073
25°	3915	3991	4040
30°	3847	3950	4016
35°	3765	3890	3990
40°	3695	3836	3977
45°	3581	3779	3985
50°	3495	3742	3999
55°	3375	3707	4016
60°	3224	3668	4049
65°	3093	3635	4085
70°	2877	3563	4157
75°	2550	3482	4242
80°	2157	3253	3837
85°	1528	2257	2186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	3.3
10°-20°	411.8	9.4
20°-30°	618.7	14.1
30°-40°	740.2	16.9
40°-50°	767.5	17.5
50°-60°	705.9	16.1
60°-70°	560.3	12.8
70°-80°	346.0	7.9
80°-90°	86.0	2.0
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°	1174.9	26.8
0°-40°	1915.1	43.7
0°-60°	3388.5	77.3
0°-90°	4380.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4380.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1512	1516	1521	1526	1526	144
15°	1446	1450	1462	1469	1469	408
25°	1318	1328	1344	1358	1361	607
35°	1146	1158	1184	1208	1215	717
45°	941	958	993	1033	1047	727
55°	719	738	790	844	856	644
65°	486	507	571	625	642	480
75°	245	278	335	387	408	262
85°	50	64	73	73	71	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.3	1528.3	1528.3	1528.3	1528.3
2.5°	1518.9	1521.2	1528.3	1530.7	1530.7
5°	1511.8	1516.5	1521.2	1525.9	1525.9
7.5°	1502.3	1507.1	1514.1	1516.5	1516.5
10°	1488.2	1492.9	1500.0	1504.7	1504.7
12.5°	1467.0	1474.0	1483.5	1488.2	1488.2
15°	1445.7	1450.5	1462.3	1469.3	1469.3
17.5°	1419.8	1424.5	1436.3	1445.7	1448.1
20°	1389.1	1393.9	1410.4	1419.8	1422.2
22.5°	1353.8	1360.8	1379.7	1389.1	1391.5
25°	1318.4	1327.8	1344.3	1358.5	1360.8
27.5°	1280.7	1290.1	1306.6	1325.5	1330.2
30°	1238.2	1247.6	1271.2	1287.7	1292.4
32.5°	1193.4	1205.2	1228.8	1250.0	1254.7
35°	1146.2	1158.0	1184.0	1207.5	1214.6
37.5°	1094.3	1110.8	1139.1	1165.1	1174.5
40°	1051.9	1061.3	1092.0	1122.6	1132.1
42.5°	995.3	1009.4	1042.4	1077.8	1092.0
45°	941.0	957.5	992.9	1033.0	1047.2
47.5°	886.8	903.3	943.4	985.8	1000.0
50°	834.9	849.1	893.9	941.0	955.2
52.5°	780.7	794.8	842.0	893.9	908.0
55°	719.3	738.2	790.1	844.3	856.1
57.5°	662.7	681.6	735.8	787.7	809.0
60°	599.1	622.6	681.6	733.5	752.4
62.5°	544.8	563.7	629.7	681.6	698.1
65°	485.8	507.1	570.8	625.0	641.5
67.5°	429.2	450.5	511.8	566.0	587.3
70°	365.6	389.1	452.8	507.1	528.3
72.5°	306.6	334.9	391.5	448.1	471.7
75°	245.3	278.3	334.9	386.8	408.0
77.5°	191.0	219.3	273.6	309.0	320.8
80°	139.2	167.5	209.9	233.5	247.6
82.5°	94.3	110.8	143.9	160.4	160.4
85°	49.5	63.7	73.1	73.1	70.8
87.5°	16.5	18.9	14.2	7.1	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)