

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: P302104

Luminaire Tested: **RX-WO-24H840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302104
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-24H840-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

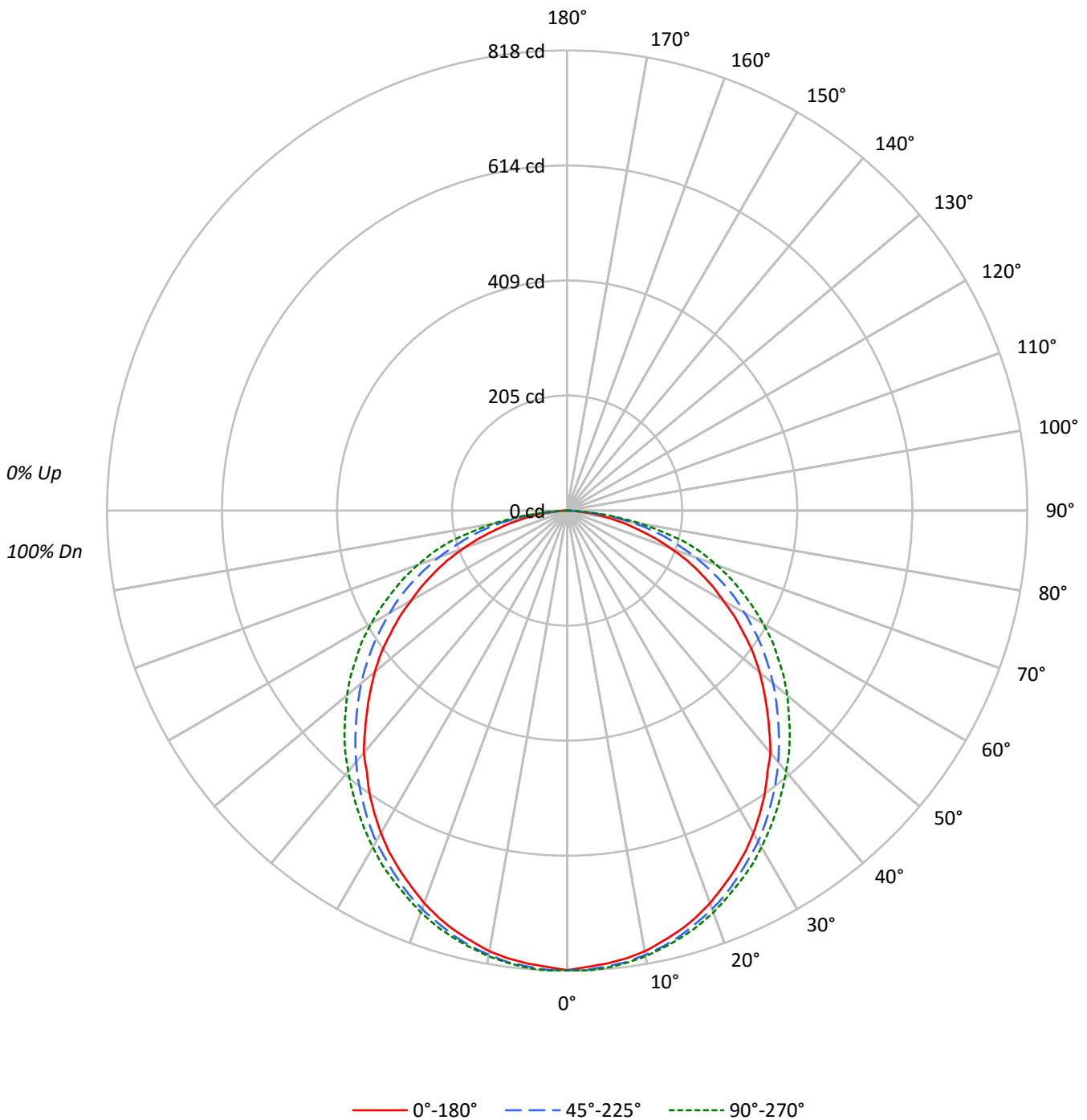
Lumens per Lamp: N/A
Luminaire Lumens: 2341.7 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
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°	2198	2198	2198
5°	2183	2197	2203
10°	2174	2191	2198
15°	2153	2177	2188
20°	2127	2159	2177
25°	2092	2134	2160
30°	2057	2111	2147
35°	2013	2079	2133
40°	1975	2050	2126
45°	1914	2020	2130
50°	1868	2000	2138
55°	1804	1981	2147
60°	1723	1961	2165
65°	1654	1943	2183
70°	1537	1905	2222
75°	1363	1861	2268
80°	1153	1739	2052
85°	818	1207	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	3.3
10°-20°	220.1	9.4
20°-30°	330.7	14.1
30°-40°	395.7	16.9
40°-50°	410.3	17.5
50°-60°	377.3	16.1
60°-70°	299.5	12.8
70°-80°	185.0	7.9
80°-90°	46.0	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°	628.0	26.8
0°-40°	1023.7	43.7
0°-60°	1811.3	77.3
0°-90°	2341.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	808	811	813	816	816	77
15°	773	775	782	785	785	218
25°	705	710	719	726	727	325
35°	613	619	633	646	649	383
45°	503	512	531	552	560	389
55°	384	395	422	451	458	344
65°	260	271	305	334	343	257
75°	131	149	179	207	218	140
85°	26	34	39	39	38	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.9	816.9	816.9	816.9	816.9
2.5°	811.9	813.2	816.9	818.2	818.2
5°	808.1	810.6	813.2	815.7	815.7
7.5°	803.1	805.6	809.4	810.6	810.6
10°	795.5	798.0	801.8	804.3	804.3
12.5°	784.2	787.9	793.0	795.5	795.5
15°	772.8	775.3	781.6	785.4	785.4
17.5°	758.9	761.5	767.8	772.8	774.1
20°	742.6	745.1	753.9	758.9	760.2
22.5°	723.6	727.4	737.5	742.6	743.8
25°	704.7	709.8	718.6	726.2	727.4
27.5°	684.6	689.6	698.4	708.5	711.0
30°	661.9	666.9	679.5	688.3	690.9
32.5°	637.9	644.2	656.8	668.2	670.7
35°	612.7	619.0	632.9	645.5	649.3
37.5°	585.0	593.8	608.9	622.8	627.8
40°	562.3	567.3	583.7	600.1	605.1
42.5°	532.0	539.6	557.2	576.1	583.7
45°	503.0	511.8	530.8	552.2	559.8
47.5°	474.0	482.8	504.3	527.0	534.5
50°	446.3	453.9	477.8	503.0	510.6
52.5°	417.3	424.9	450.1	477.8	485.4
55°	384.5	394.6	422.3	451.3	457.6
57.5°	354.3	364.3	393.3	421.1	432.4
60°	320.2	332.8	364.3	392.1	402.2
62.5°	291.2	301.3	336.6	364.3	373.2
65°	259.7	271.1	305.1	334.1	342.9
67.5°	229.4	240.8	273.6	302.6	313.9
70°	195.4	208.0	242.1	271.1	282.4
72.5°	163.9	179.0	209.3	239.5	252.1
75°	131.1	148.8	179.0	206.8	218.1
77.5°	102.1	117.2	146.2	165.2	171.5
80°	74.4	89.5	112.2	124.8	132.4
82.5°	50.4	59.3	76.9	85.7	85.7
85°	26.5	34.0	39.1	39.1	37.8
87.5°	8.8	10.1	7.6	3.8	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)