

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: P302123

Luminaire Tested: **RX-WO-29H940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302123
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-29H940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

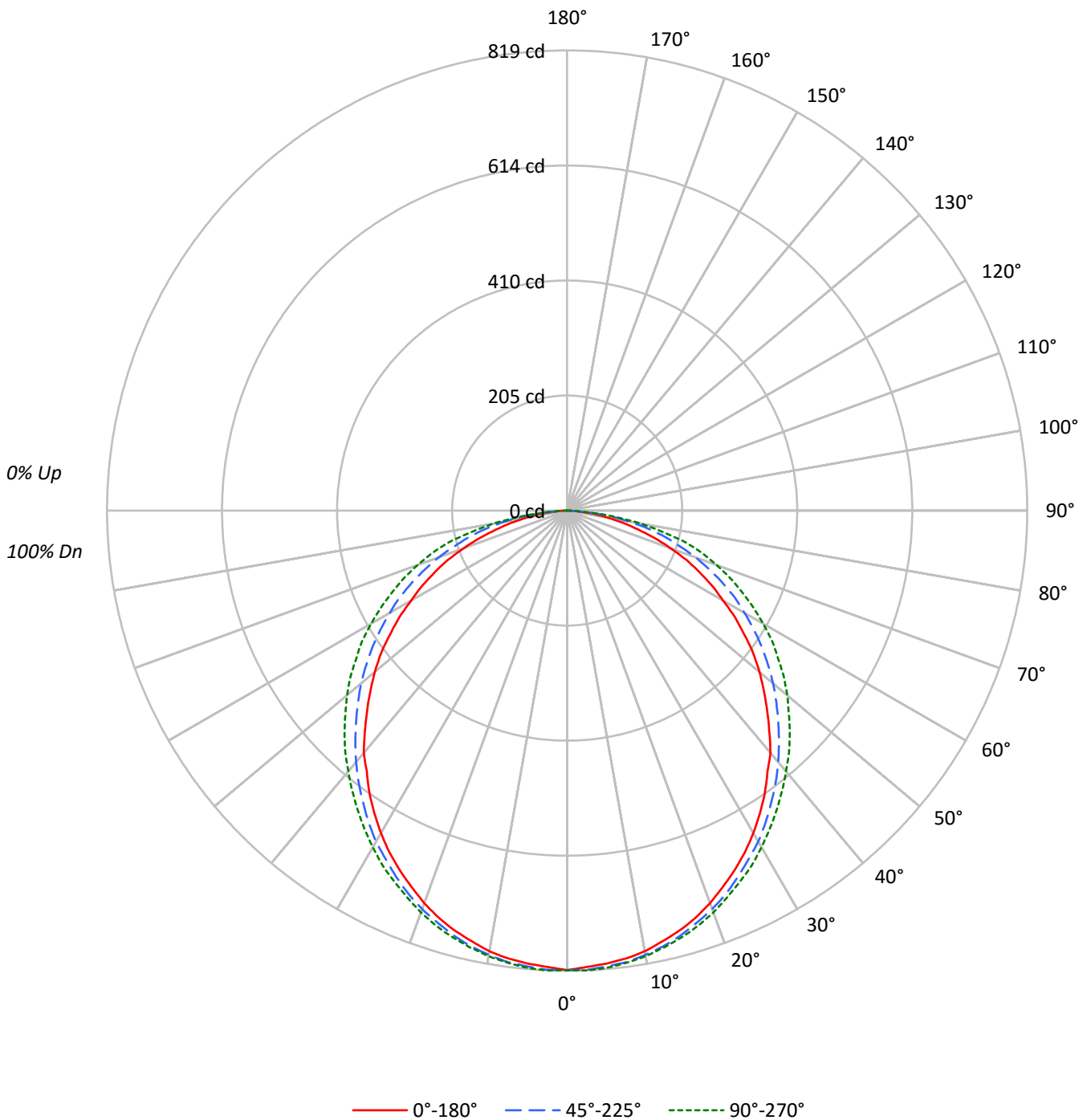
Lumens per Lamp: N/A
Luminaire Lumens: 2344.6 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
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°	2201	2201	2201
5°	2186	2199	2206
10°	2176	2194	2200
15°	2156	2180	2191
20°	2129	2162	2180
25°	2095	2136	2162
30°	2059	2114	2149
35°	2015	2081	2136
40°	1978	2053	2128
45°	1917	2022	2133
50°	1870	2003	2140
55°	1806	1984	2150
60°	1725	1963	2167
65°	1656	1945	2186
70°	1539	1907	2224
75°	1365	1863	2271
80°	1155	1740	2053
85°	818	1207	1170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	3.3
10°-20°	220.4	9.4
20°-30°	331.1	14.1
30°-40°	396.1	16.9
40°-50°	410.8	17.5
50°-60°	377.8	16.1
60°-70°	299.9	12.8
70°-80°	185.2	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°	628.8	26.8
0°-40°	1025.0	43.7
0°-60°	1813.5	77.3
0°-90°	2344.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2344.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	809	812	814	817	817	77
15°	774	776	783	786	786	218
25°	706	711	720	727	728	325
35°	614	620	634	646	650	384
45°	504	512	531	553	560	389
55°	385	395	423	452	458	345
65°	260	271	306	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°	817.9	817.9	817.9	817.9	817.9
2.5°	812.9	814.2	817.9	819.2	819.2
5°	809.1	811.6	814.2	816.7	816.7
7.5°	804.1	806.6	810.4	811.6	811.6
10°	796.5	799.0	802.8	805.3	805.3
12.5°	785.1	788.9	794.0	796.5	796.5
15°	773.8	776.3	782.6	786.4	786.4
17.5°	759.9	762.4	768.7	773.8	775.0
20°	743.5	746.0	754.8	759.9	761.1
22.5°	724.5	728.3	738.4	743.5	744.7
25°	705.6	710.6	719.5	727.1	728.3
27.5°	685.4	690.5	699.3	709.4	711.9
30°	662.7	667.7	680.4	689.2	691.7
32.5°	638.7	645.0	657.6	669.0	671.5
35°	613.5	619.8	633.6	646.3	650.1
37.5°	585.7	594.5	609.7	623.6	628.6
40°	563.0	568.0	584.4	600.8	605.9
42.5°	532.7	540.2	557.9	576.8	584.4
45°	503.6	512.5	531.4	552.9	560.4
47.5°	474.6	483.4	504.9	527.6	535.2
50°	446.8	454.4	478.4	503.6	511.2
52.5°	417.8	425.4	450.6	478.4	486.0
55°	385.0	395.1	422.9	451.9	458.2
57.5°	354.7	364.8	393.8	421.6	433.0
60°	320.6	333.2	364.8	392.6	402.7
62.5°	291.6	301.7	337.0	364.8	373.6
65°	260.0	271.4	305.5	334.5	343.3
67.5°	229.7	241.1	273.9	302.9	314.3
70°	195.6	208.3	242.4	271.4	282.7
72.5°	164.1	179.2	209.5	239.8	252.5
75°	131.3	148.9	179.2	207.0	218.4
77.5°	102.2	117.4	146.4	165.4	171.7
80°	74.5	89.6	112.3	125.0	132.5
82.5°	50.5	59.3	77.0	85.8	85.8
85°	26.5	34.1	39.1	39.1	37.9
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)