

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: P302092

Luminaire Tested: **RX-WO-24H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302092
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-24H830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

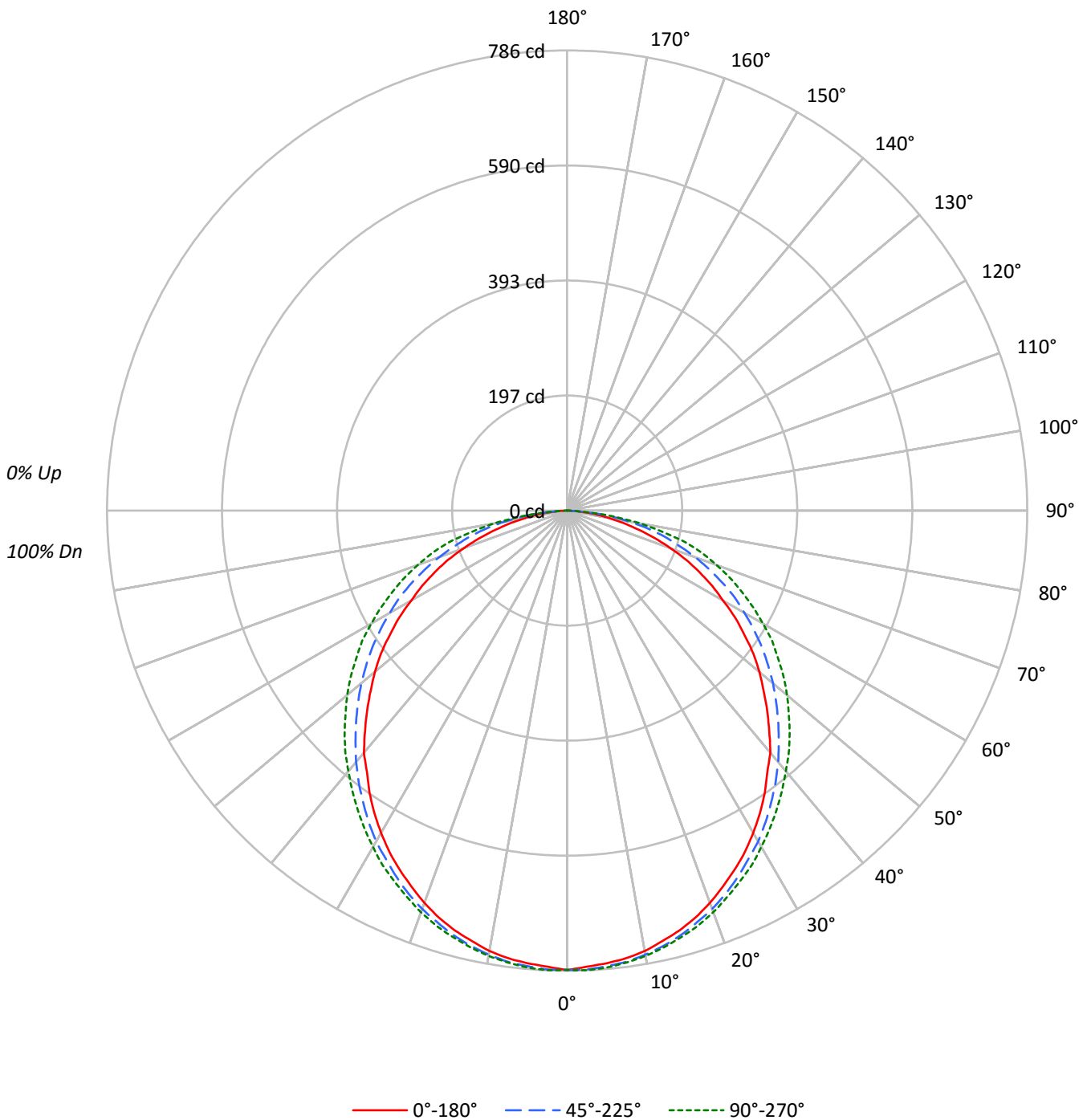
Lumens per Lamp: N/A
Luminaire Lumens: 2249.0 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2111	2111	2111
5°	2096	2110	2116
10°	2088	2104	2111
15°	2068	2091	2101
20°	2042	2074	2091
25°	2010	2049	2074
30°	1975	2028	2062
35°	1933	1997	2049
40°	1897	1969	2042
45°	1838	1940	2046
50°	1794	1921	2053
55°	1733	1903	2062
60°	1655	1883	2079
65°	1588	1866	2097
70°	1477	1829	2134
75°	1309	1787	2178
80°	1106	1671	1970
85°	784	1158	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	3.3
10°-20°	211.4	9.4
20°-30°	317.6	14.1
30°-40°	380.0	16.9
40°-50°	394.0	17.5
50°-60°	362.4	16.1
60°-70°	287.6	12.8
70°-80°	177.7	7.9
80°-90°	44.1	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°	603.2	26.8
0°-40°	983.2	43.7
0°-60°	1739.6	77.3
0°-90°	2249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	776	778	781	783	783	74
15°	742	745	751	754	754	209
25°	677	682	690	697	699	312
35°	588	594	608	620	624	368
45°	483	492	510	530	538	373
55°	369	379	406	434	440	331
65°	249	260	293	321	329	247
75°	126	143	172	199	210	135
85°	25	33	38	38	36	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.6	784.6	784.6	784.6	784.6
2.5°	779.8	781.0	784.6	785.8	785.8
5°	776.1	778.5	781.0	783.4	783.4
7.5°	771.3	773.7	777.3	778.5	778.5
10°	764.0	766.4	770.1	772.5	772.5
12.5°	753.1	756.8	761.6	764.0	764.0
15°	742.2	744.6	750.7	754.3	754.3
17.5°	728.9	731.3	737.4	742.2	743.4
20°	713.2	715.6	724.1	728.9	730.1
22.5°	695.0	698.6	708.3	713.2	714.4
25°	676.8	681.7	690.2	697.4	698.6
27.5°	657.5	662.3	670.8	680.5	682.9
30°	635.7	640.5	652.6	661.1	663.5
32.5°	612.7	618.7	630.8	641.7	644.1
35°	588.5	594.5	607.8	619.9	623.6
37.5°	561.8	570.3	584.8	598.1	603.0
40°	540.0	544.9	560.6	576.3	581.2
42.5°	511.0	518.2	535.2	553.3	560.6
45°	483.1	491.6	509.7	530.3	537.6
47.5°	455.3	463.7	484.3	506.1	513.4
50°	428.6	435.9	458.9	483.1	490.4
52.5°	400.8	408.0	432.3	458.9	466.2
55°	369.3	379.0	405.6	433.5	439.5
57.5°	340.2	349.9	377.8	404.4	415.3
60°	307.5	319.7	349.9	376.6	386.2
62.5°	279.7	289.4	323.3	349.9	358.4
65°	249.4	260.3	293.0	320.9	329.3
67.5°	220.4	231.3	262.7	290.6	301.5
70°	187.7	199.8	232.5	260.3	271.2
72.5°	157.4	171.9	201.0	230.1	242.2
75°	125.9	142.9	171.9	198.6	209.5
77.5°	98.1	112.6	140.5	158.6	164.7
80°	71.4	86.0	107.8	119.9	127.1
82.5°	48.4	56.9	73.9	82.3	82.3
85°	25.4	32.7	37.5	37.5	36.3
87.5°	8.5	9.7	7.3	3.6	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)