

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: P302098

Luminaire Tested: **RX-WO-24H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302098
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-24H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

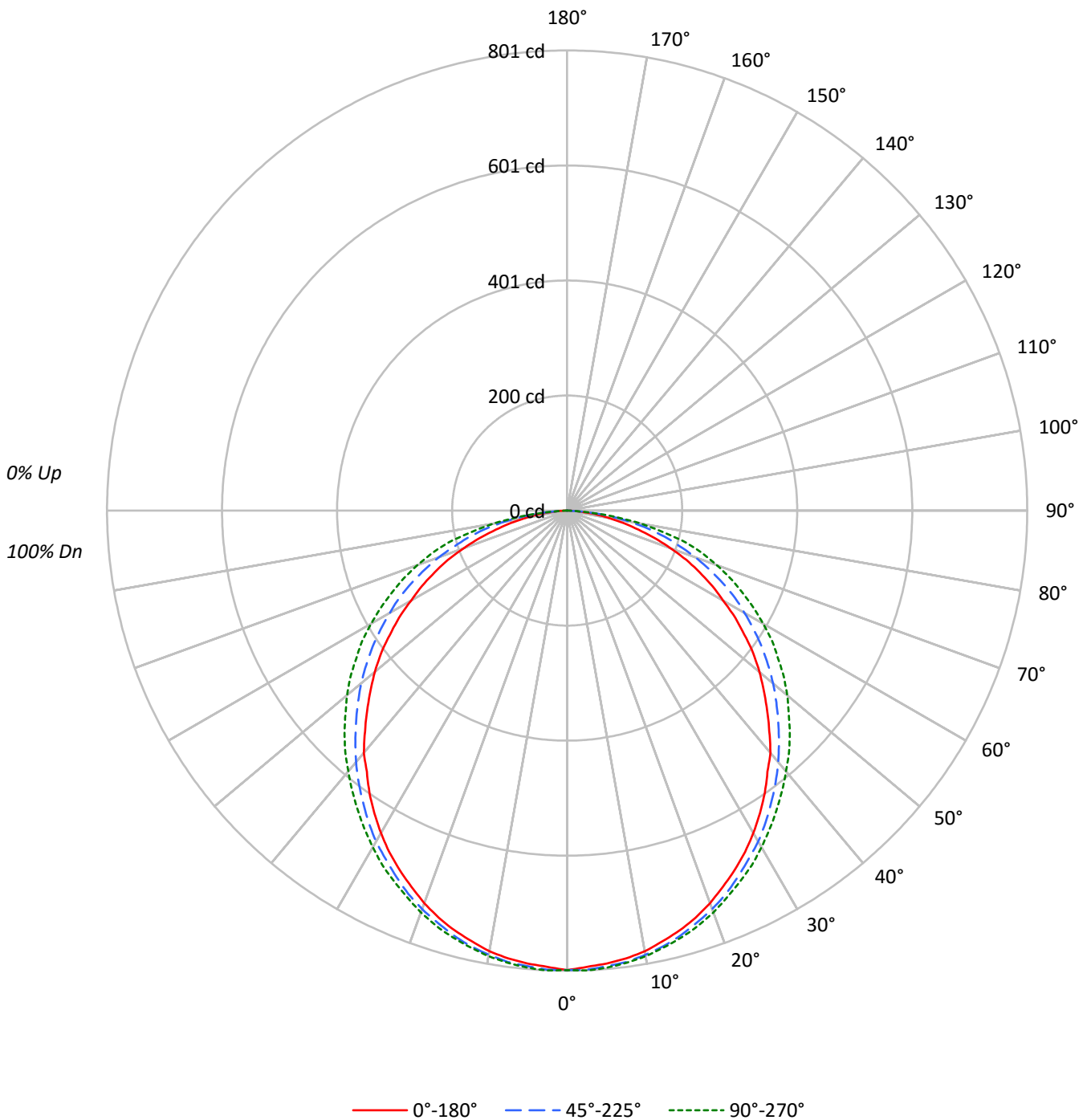
Lumens per Lamp: N/A
Luminaire Lumens: 2293.0 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2153	2153	2153
5°	2138	2151	2157
10°	2128	2145	2152
15°	2108	2132	2143
20°	2082	2114	2132
25°	2049	2089	2115
30°	2014	2068	2102
35°	1971	2036	2088
40°	1934	2008	2081
45°	1874	1978	2086
50°	1829	1959	2093
55°	1766	1940	2102
60°	1688	1920	2119
65°	1619	1902	2138
70°	1505	1865	2175
75°	1335	1823	2221
80°	1128	1703	2008
85°	800	1183	1142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	3.3
10°-20°	215.5	9.4
20°-30°	323.8	14.1
30°-40°	387.4	16.9
40°-50°	401.7	17.5
50°-60°	369.5	16.1
60°-70°	293.3	12.8
70°-80°	181.1	7.9
80°-90°	45.0	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°	615.0	26.8
0°-40°	1002.4	43.7
0°-60°	1773.6	77.3
0°-90°	2293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	791	794	796	799	799	75
15°	757	759	765	769	769	213
25°	690	695	704	711	712	318
35°	600	606	620	632	636	375
45°	492	501	520	541	548	380
55°	376	386	414	442	448	337
65°	254	265	299	327	336	252
75°	128	146	175	202	214	137
85°	26	33	38	38	37	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	799.9	799.9	799.9	799.9	799.9
2.5°	795.0	796.2	799.9	801.2	801.2
5°	791.3	793.8	796.2	798.7	798.7
7.5°	786.3	788.8	792.5	793.8	793.8
10°	778.9	781.4	785.1	787.6	787.6
12.5°	767.8	771.5	776.5	778.9	778.9
15°	756.7	759.2	765.4	769.1	769.1
17.5°	743.1	745.6	751.8	756.7	758.0
20°	727.1	729.6	738.2	743.1	744.4
22.5°	708.6	712.3	722.2	727.1	728.3
25°	690.1	695.0	703.6	711.0	712.3
27.5°	670.3	675.2	683.9	693.8	696.2
30°	648.1	653.0	665.4	674.0	676.5
32.5°	624.6	630.8	643.1	654.3	656.7
35°	599.9	606.1	619.7	632.0	635.7
37.5°	572.8	581.4	596.2	609.8	614.8
40°	550.6	555.5	571.6	587.6	592.5
42.5°	520.9	528.3	545.6	564.1	571.6
45°	492.5	501.2	519.7	540.7	548.1
47.5°	464.2	472.8	493.8	516.0	523.4
50°	437.0	444.4	467.9	492.5	500.0
52.5°	408.6	416.0	440.7	467.9	475.3
55°	376.5	386.4	413.5	441.9	448.1
57.5°	346.9	356.8	385.1	412.3	423.4
60°	313.6	325.9	356.8	383.9	393.8
62.5°	285.2	295.0	329.6	356.8	365.4
65°	254.3	265.4	298.7	327.1	335.8
67.5°	224.7	235.8	267.9	296.3	307.4
70°	191.3	203.7	237.0	265.4	276.5
72.5°	160.5	175.3	204.9	234.5	246.9
75°	128.4	145.7	175.3	202.4	213.6
77.5°	100.0	114.8	143.2	161.7	167.9
80°	72.8	87.6	109.9	122.2	129.6
82.5°	49.4	58.0	75.3	83.9	83.9
85°	25.9	33.3	38.3	38.3	37.0
87.5°	8.6	9.9	7.4	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)