

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: P302106

Luminaire Tested: **RX-WO-34H840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302106
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-34H840-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

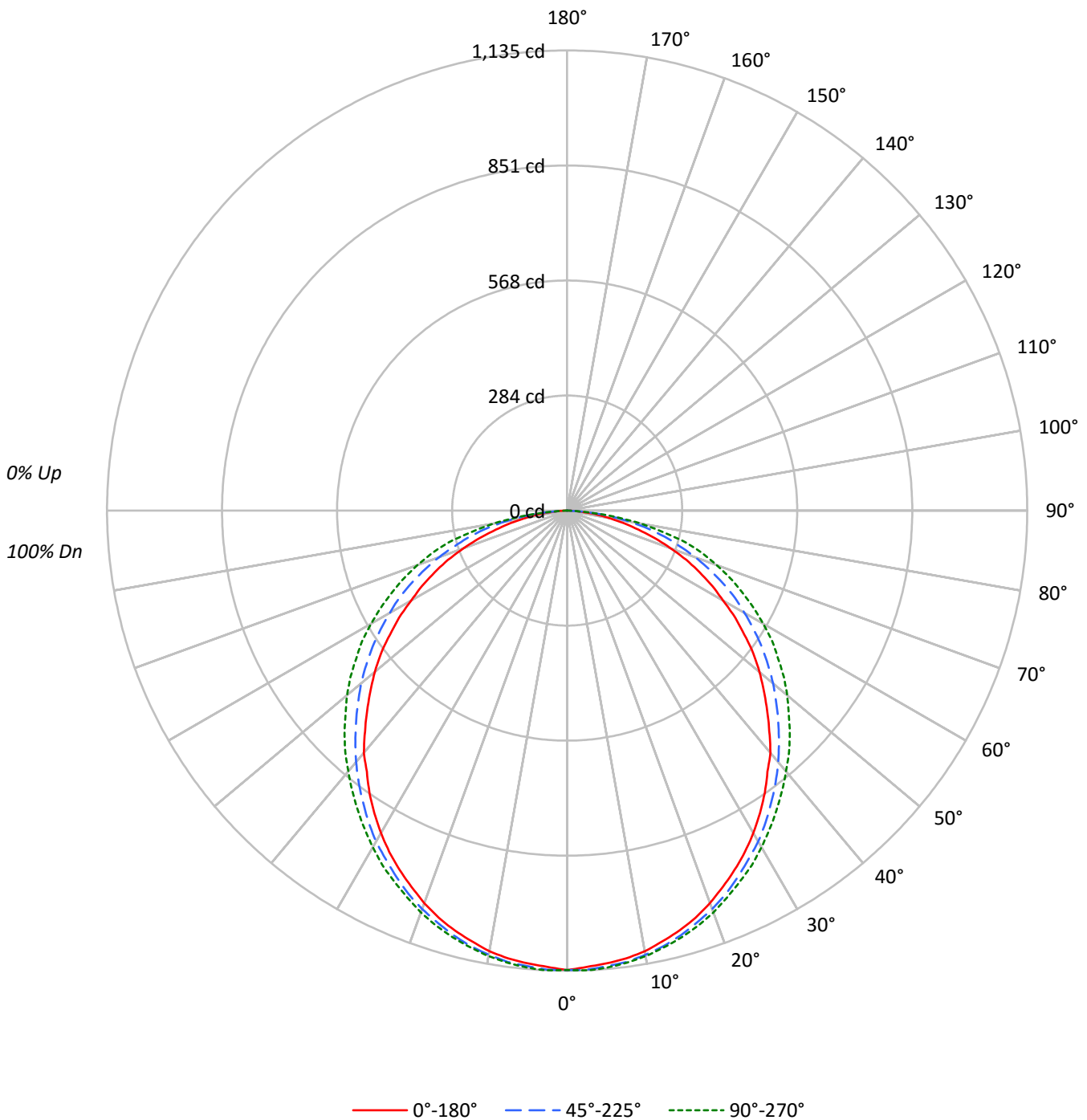
Lumens per Lamp: N/A
Luminaire Lumens: 3248.9 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.5
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°	3050	3050	3050
5°	3029	3048	3057
10°	3016	3040	3049
15°	2987	3021	3036
20°	2950	2995	3020
25°	2903	2960	2996
30°	2853	2930	2978
35°	2792	2884	2959
40°	2740	2845	2949
45°	2656	2802	2955
50°	2592	2775	2966
55°	2503	2749	2979
60°	2391	2721	3003
65°	2294	2695	3029
70°	2133	2642	3083
75°	1891	2583	3146
80°	1599	2413	2847
85°	1133	1673	1621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.3
10°-20°	305.4	9.4
20°-30°	458.8	14.1
30°-40°	548.9	16.9
40°-50°	569.2	17.5
50°-60°	523.5	16.1
60°-70°	415.5	12.8
70°-80°	256.6	7.9
80°-90°	63.8	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°	871.3	26.8
0°-40°	1420.2	43.7
0°-60°	2513.0	77.3
0°-90°	3248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3248.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1121	1125	1128	1132	1132	107
15°	1072	1076	1084	1090	1090	302
25°	978	985	997	1008	1009	450
35°	850	859	878	896	901	532
45°	698	710	736	766	777	539
55°	534	548	586	626	635	478
65°	360	376	423	464	476	356
75°	182	206	248	287	303	195
85°	37	47	54	54	52	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.4	1133.4	1133.4	1133.4	1133.4
2.5°	1126.4	1128.2	1133.4	1135.1	1135.1
5°	1121.2	1124.7	1128.2	1131.7	1131.7
7.5°	1114.2	1117.7	1122.9	1124.7	1124.7
10°	1103.7	1107.2	1112.4	1115.9	1115.9
12.5°	1087.9	1093.2	1100.2	1103.7	1103.7
15°	1072.2	1075.7	1084.4	1089.7	1089.7
17.5°	1052.9	1056.4	1065.2	1072.2	1073.9
20°	1030.2	1033.7	1045.9	1052.9	1054.7
22.5°	1004.0	1009.2	1023.2	1030.2	1032.0
25°	977.7	984.7	997.0	1007.5	1009.2
27.5°	949.7	956.7	969.0	983.0	986.5
30°	918.3	925.3	942.8	955.0	958.5
32.5°	885.0	893.8	911.3	927.0	930.5
35°	850.0	858.8	878.0	895.5	900.8
37.5°	811.6	823.8	844.8	864.0	871.0
40°	780.1	787.1	809.8	832.6	839.6
42.5°	738.1	748.6	773.1	799.3	809.8
45°	697.9	710.1	736.4	766.1	776.6
47.5°	657.7	669.9	699.6	731.1	741.6
50°	619.2	629.7	662.9	697.9	708.4
52.5°	578.9	589.4	624.4	662.9	673.4
55°	533.5	547.5	585.9	626.2	634.9
57.5°	491.5	505.5	545.7	584.2	599.9
60°	444.3	461.8	505.5	544.0	558.0
62.5°	404.0	418.0	467.0	505.5	517.7
65°	360.3	376.1	423.3	463.5	475.7
67.5°	318.3	334.1	379.5	419.8	435.5
70°	271.1	288.6	335.8	376.1	391.8
72.5°	227.4	248.4	290.3	332.3	349.8
75°	181.9	206.4	248.4	286.8	302.6
77.5°	141.7	162.7	202.9	229.1	237.9
80°	103.2	124.2	155.7	173.2	183.7
82.5°	70.0	82.2	106.7	118.9	118.9
85°	36.7	47.2	54.2	54.2	52.5
87.5°	12.2	14.0	10.5	5.2	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)