

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: P302272

Luminaire Tested: **RX-WO-30H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-30H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

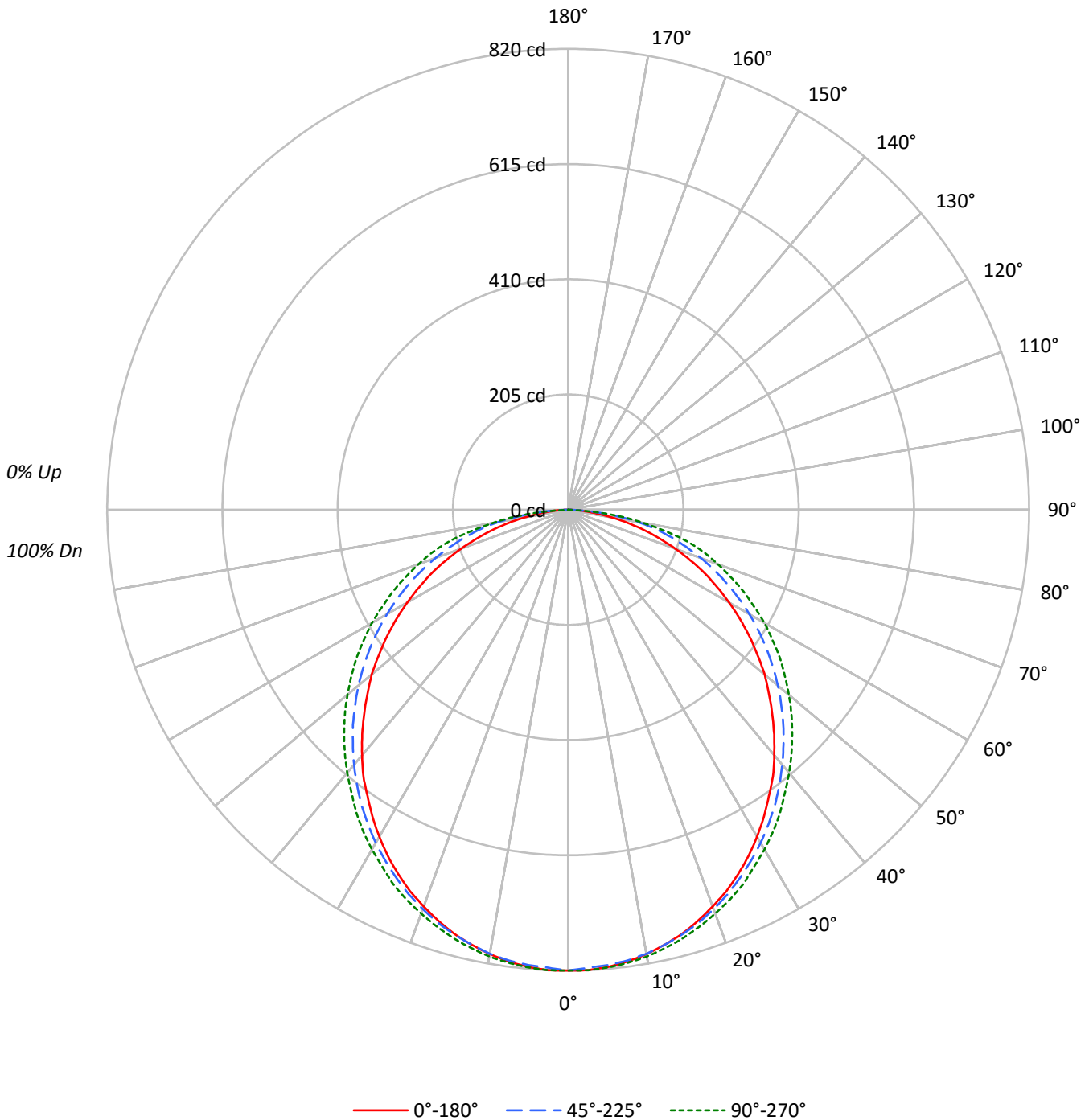
Lumens per Lamp: N/A
Luminaire Lumens: 2387.2 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	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	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1103	1103	1103
5°	1103	1098	1104
10°	1097	1096	1103
15°	1089	1090	1100
20°	1075	1083	1095
25°	1062	1073	1092
30°	1044	1064	1085
35°	1022	1053	1080
40°	1002	1041	1074
45°	977	1030	1072
50°	955	1019	1073
55°	924	1010	1078
60°	890	1002	1085
65°	855	993	1094
70°	798	986	1113
75°	727	988	1148
80°	601	978	1057
85°	460	777	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	3.2
10°-20°	221.4	9.3
20°-30°	334.0	14.0
30°-40°	401.0	16.8
40°-50°	417.0	17.5
50°-60°	383.5	16.1
60°-70°	305.7	12.8
70°-80°	193.7	8.1
80°-90°	53.3	2.2
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°	633.0	26.5
0°-40°	1034.0	43.3
0°-60°	1834.5	76.8
0°-90°	2387.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	817	817	813	818	818	78
15°	782	782	783	789	789	220
25°	715	719	723	733	736	329
35°	622	629	641	653	657	390
45°	513	524	541	558	564	396
55°	394	407	430	452	460	352
65°	268	282	312	336	344	265
75°	140	158	190	214	221	147
85°	30	43	50	49	49	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	820.1	820.1	820.1	820.1	820.1
2.5°	820.1	820.1	815.9	820.1	820.1
5°	816.7	816.7	813.3	817.6	817.6
7.5°	810.7	811.6	809.0	813.3	813.3
10°	803.1	803.9	802.2	807.3	807.3
12.5°	792.8	793.7	792.8	798.8	798.8
15°	781.8	781.8	782.6	788.6	789.4
17.5°	767.3	769.0	770.7	777.5	777.5
20°	751.1	753.6	756.2	764.7	764.7
22.5°	734.9	737.4	740.8	749.4	751.1
25°	715.3	718.7	722.9	733.2	735.7
27.5°	694.8	697.4	704.2	715.3	716.1
30°	671.8	676.0	684.6	695.6	698.2
32.5°	647.9	653.9	663.3	676.0	678.6
35°	622.3	629.2	641.1	653.0	657.3
37.5°	598.5	603.6	617.2	630.9	633.4
40°	570.3	578.0	592.5	607.8	611.3
42.5°	542.2	550.7	566.9	582.3	588.2
45°	513.2	524.3	541.3	558.4	563.5
47.5°	484.2	496.2	514.1	532.8	538.8
50°	456.1	467.2	486.8	506.4	512.4
52.5°	424.6	437.3	458.7	480.0	485.9
55°	393.9	406.6	430.5	451.8	459.5
57.5°	362.3	376.8	401.5	423.7	430.5
60°	330.8	346.1	372.5	394.7	403.2
62.5°	299.2	313.7	342.7	364.9	372.5
65°	268.5	282.2	312.0	335.9	343.6
67.5°	235.3	250.6	281.3	306.1	312.9
70°	202.9	218.2	250.6	276.2	283.0
72.5°	169.6	187.6	219.9	244.7	254.0
75°	139.8	157.7	190.1	214.0	220.8
77.5°	108.3	126.2	159.4	176.5	177.3
80°	77.6	98.0	126.2	133.0	136.4
82.5°	51.2	70.8	87.0	95.5	95.5
85°	29.8	42.6	50.3	49.4	48.6
87.5°	11.1	14.5	11.9	8.5	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)