

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: P302282

Luminaire Tested: **RX-WO-30H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302282
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-30H940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

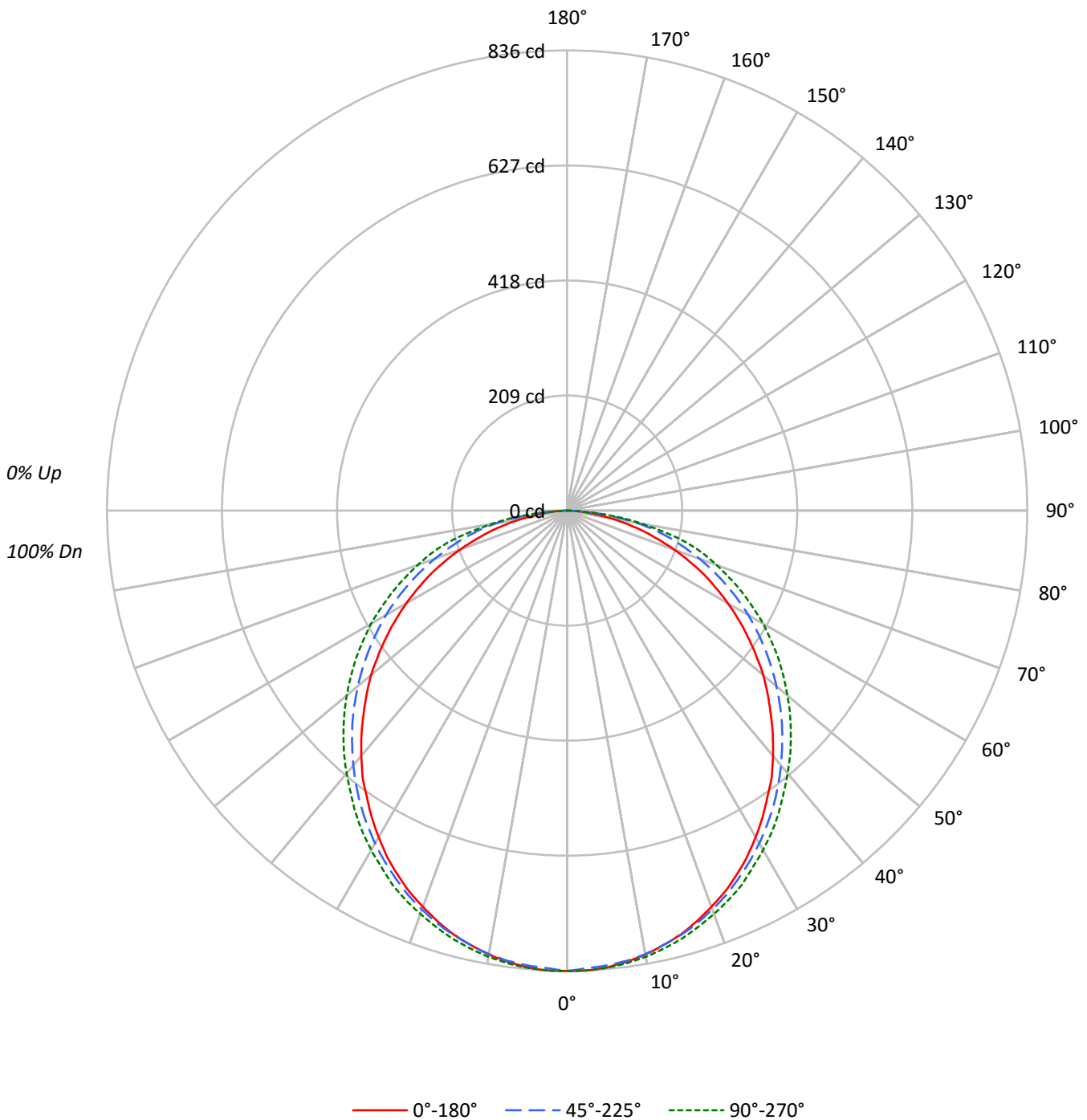
Lumens per Lamp: N/A
Luminaire Lumens: 2434.6 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1125	1125	1125
5°	1125	1120	1126
10°	1119	1118	1125
15°	1111	1112	1121
20°	1097	1104	1117
25°	1083	1095	1114
30°	1064	1085	1106
35°	1043	1074	1101
40°	1022	1061	1095
45°	996	1051	1094
50°	974	1039	1094
55°	942	1030	1099
60°	908	1023	1107
65°	872	1013	1116
70°	814	1006	1136
75°	741	1008	1171
80°	613	997	1078
85°	469	792	766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	3.2
10°-20°	225.8	9.3
20°-30°	340.6	14.0
30°-40°	409.0	16.8
40°-50°	425.3	17.5
50°-60°	391.2	16.1
60°-70°	311.8	12.8
70°-80°	197.5	8.1
80°-90°	54.3	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°	645.5	26.5
0°-40°	1054.5	43.3
0°-60°	1871.0	76.8
0°-90°	2434.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2434.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	833	833	830	834	834	79
15°	797	797	798	804	805	225
25°	730	733	737	748	750	336
35°	635	642	654	666	670	398
45°	523	535	552	570	575	404
55°	402	415	439	461	469	359
65°	274	288	318	343	350	270
75°	143	161	194	218	225	150
85°	30	44	51	50	50	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.4	836.4	836.4	836.4	836.4
2.5°	836.4	836.4	832.1	836.4	836.4
5°	832.9	832.9	829.5	833.8	833.8
7.5°	826.9	827.7	825.1	829.5	829.5
10°	819.0	819.9	818.2	823.4	823.4
12.5°	808.6	809.5	808.6	814.7	814.7
15°	797.3	797.3	798.2	804.3	805.1
17.5°	782.5	784.3	786.0	792.9	792.9
20°	766.0	768.6	771.2	779.9	779.9
22.5°	749.5	752.1	755.6	764.3	766.0
25°	729.5	733.0	737.3	747.7	750.3
27.5°	708.6	711.2	718.2	729.5	730.3
30°	685.1	689.5	698.2	709.5	712.1
32.5°	660.8	666.9	676.4	689.5	692.1
35°	634.7	641.7	653.8	666.0	670.4
37.5°	610.4	615.6	629.5	643.4	646.0
40°	581.7	589.5	604.3	619.9	623.4
42.5°	553.0	561.7	578.2	593.8	599.9
45°	523.4	534.7	552.1	569.5	574.7
47.5°	493.9	506.0	524.3	543.4	549.5
50°	465.2	476.5	496.5	516.5	522.5
52.5°	433.0	446.0	467.8	489.5	495.6
55°	401.7	414.7	439.1	460.8	468.6
57.5°	369.5	384.3	409.5	432.1	439.1
60°	337.4	353.0	380.0	402.6	411.3
62.5°	305.2	320.0	349.5	372.1	380.0
65°	273.9	287.8	318.2	342.6	350.4
67.5°	240.0	255.6	286.9	312.1	319.1
70°	206.9	222.6	255.6	281.7	288.7
72.5°	173.0	191.3	224.3	249.5	259.1
75°	142.6	160.9	193.9	218.2	225.2
77.5°	110.4	128.7	162.6	180.0	180.8
80°	79.1	100.0	128.7	135.6	139.1
82.5°	52.2	72.2	88.7	97.4	97.4
85°	30.4	43.5	51.3	50.4	49.6
87.5°	11.3	14.8	12.2	8.7	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)