

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: P302103

Luminaire Tested: **RX-WO-20H840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302103
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-20H840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

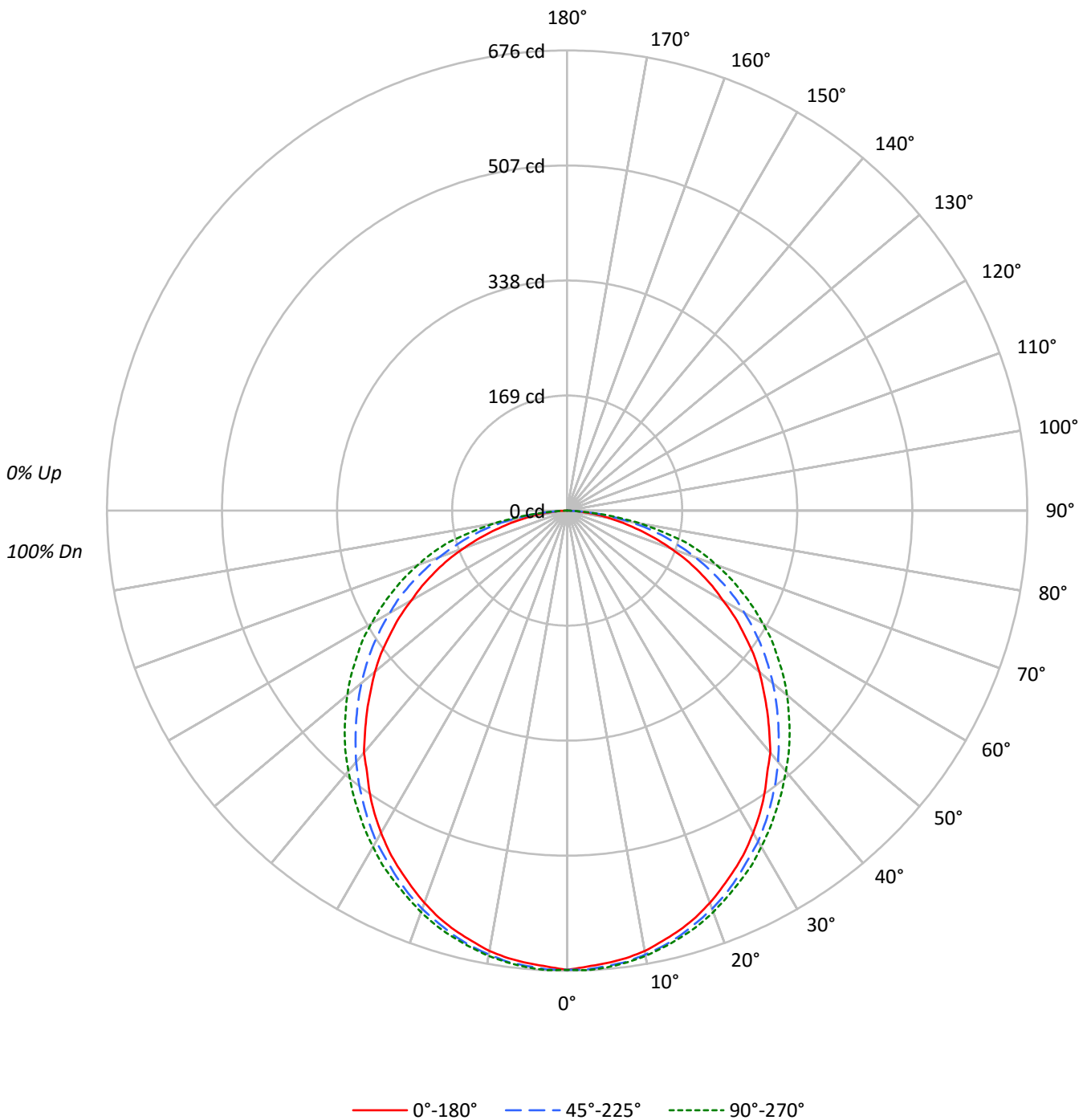
Lumens per Lamp: N/A
Luminaire Lumens: 1934.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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°	1816	1816	1816
5°	1803	1814	1820
10°	1795	1809	1815
15°	1778	1799	1807
20°	1756	1783	1798
25°	1728	1762	1784
30°	1698	1744	1773
35°	1662	1717	1761
40°	1631	1694	1756
45°	1581	1668	1759
50°	1543	1652	1765
55°	1490	1636	1773
60°	1424	1619	1787
65°	1366	1605	1803
70°	1270	1573	1835
75°	1126	1538	1873
80°	951	1437	1694
85°	676	997	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.3
10°-20°	181.8	9.4
20°-30°	273.1	14.1
30°-40°	326.8	16.9
40°-50°	338.8	17.5
50°-60°	311.7	16.1
60°-70°	247.3	12.8
70°-80°	152.8	7.9
80°-90°	38.0	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°	518.7	26.8
0°-40°	845.5	43.7
0°-60°	1495.9	77.3
0°-90°	1934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	675	675	675	675	675	
5°	667	670	672	674	674	63
15°	638	640	646	649	649	180
25°	582	586	594	600	601	268
35°	506	511	523	533	536	316
45°	415	423	438	456	462	321
55°	318	326	349	373	378	284
65°	214	224	252	276	283	212
75°	108	123	148	171	180	116
85°	22	28	32	32	31	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	674.7	674.7	674.7	674.7	674.7
2.5°	670.5	671.6	674.7	675.7	675.7
5°	667.4	669.5	671.6	673.7	673.7
7.5°	663.3	665.3	668.5	669.5	669.5
10°	657.0	659.1	662.2	664.3	664.3
12.5°	647.6	650.8	654.9	657.0	657.0
15°	638.3	640.3	645.6	648.7	648.7
17.5°	626.8	628.9	634.1	638.3	639.3
20°	613.3	615.4	622.6	626.8	627.8
22.5°	597.7	600.8	609.1	613.3	614.3
25°	582.0	586.2	593.5	599.7	600.8
27.5°	565.4	569.5	576.8	585.2	587.2
30°	546.6	550.8	561.2	568.5	570.6
32.5°	526.9	532.1	542.5	551.8	553.9
35°	506.0	511.2	522.7	533.1	536.2
37.5°	483.1	490.4	502.9	514.4	518.5
40°	464.4	468.5	482.1	495.6	499.8
42.5°	439.4	445.6	460.2	475.8	482.1
45°	415.4	422.7	438.3	456.1	462.3
47.5°	391.5	398.8	416.5	435.2	441.5
50°	368.6	374.8	394.6	415.4	421.7
52.5°	344.6	350.9	371.7	394.6	400.9
55°	317.6	325.9	348.8	372.8	378.0
57.5°	292.6	300.9	324.9	347.8	357.1
60°	264.5	274.9	300.9	323.8	332.1
62.5°	240.5	248.8	278.0	300.9	308.2
65°	214.5	223.9	252.0	275.9	283.2
67.5°	189.5	198.9	225.9	249.9	259.3
70°	161.4	171.8	199.9	223.9	233.2
72.5°	135.4	147.9	172.8	197.8	208.2
75°	108.3	122.9	147.9	170.8	180.1
77.5°	84.3	96.8	120.8	136.4	141.6
80°	61.4	73.9	92.7	103.1	109.3
82.5°	41.6	48.9	63.5	70.8	70.8
85°	21.9	28.1	32.3	32.3	31.2
87.5°	7.3	8.3	6.2	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)