

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: P302259

Luminaire Tested: **RX-WO-65H840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302259  
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-65H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

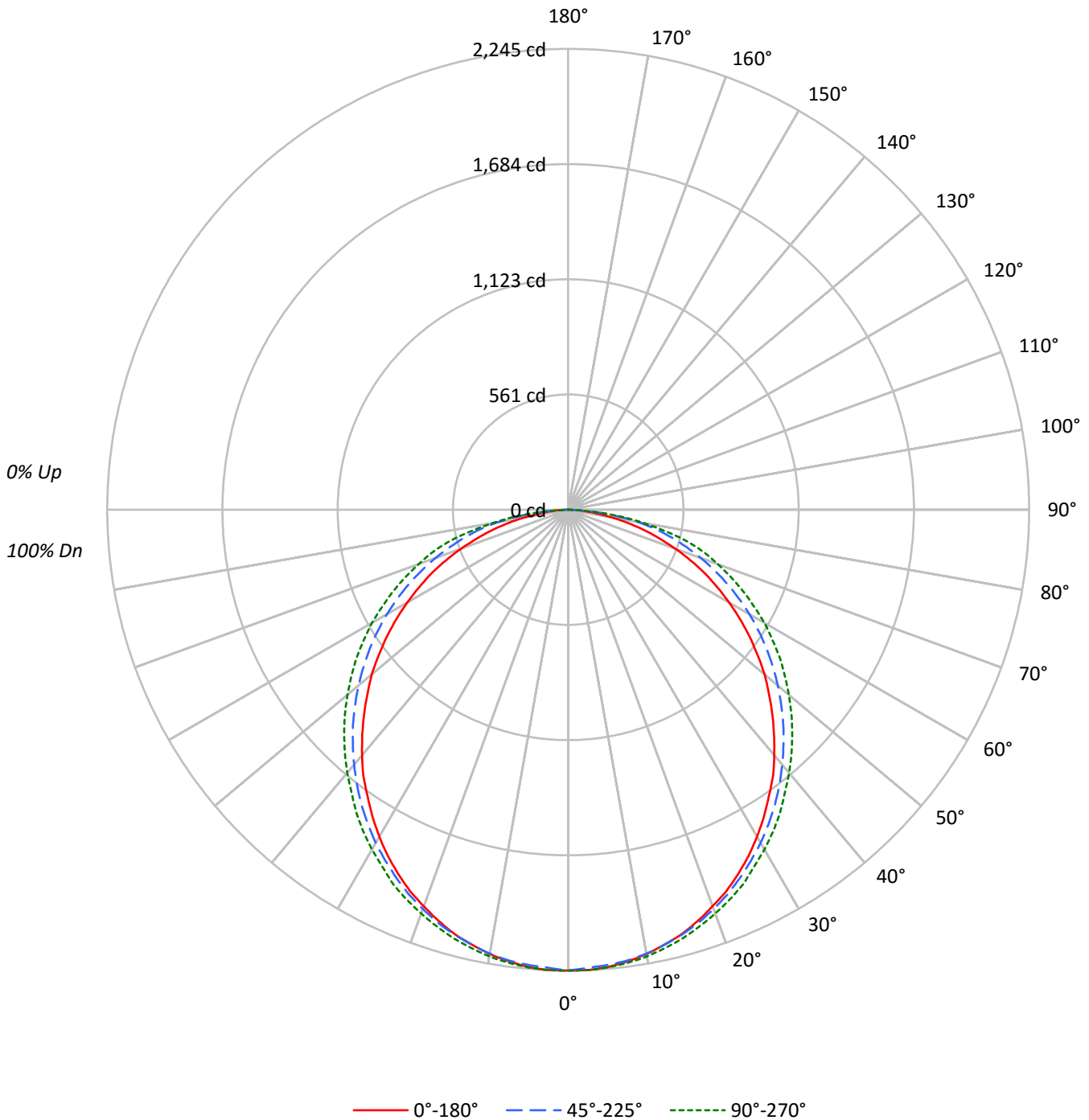
Lumens per Lamp: N/A  
Luminaire Lumens: 6535.0 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.1  
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°	3021	3021	3021
5°	3020	3007	3023
10°	3004	3000	3020
15°	2981	2984	3010
20°	2944	2964	2997
25°	2907	2938	2990
30°	2857	2912	2970
35°	2798	2883	2956
40°	2742	2849	2939
45°	2673	2820	2935
50°	2614	2789	2936
55°	2529	2765	2951
60°	2437	2745	2971
65°	2340	2720	2994
70°	2185	2699	3048
75°	1989	2705	3143
80°	1646	2676	2893
85°	1261	2126	2053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.3	3.2
10°-20°	606.1	9.3
20°-30°	914.4	14.0
30°-40°	1097.7	16.8
40°-50°	1141.6	17.5
50°-60°	1050.0	16.1
60°-70°	836.8	12.8
70°-80°	530.3	8.1
80°-90°	145.8	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°	1732.8	26.5
0°-40°	2830.5	43.3
0°-60°	5022.1	76.8
0°-90°	6535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6535.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2245	2245	2245	2245	2245	
5°	2236	2236	2226	2238	2238	212
15°	2140	2140	2142	2159	2161	603
25°	1958	1967	1979	2007	2014	902
35°	1704	1722	1755	1788	1799	1067
45°	1405	1435	1482	1529	1543	1085
55°	1078	1113	1179	1237	1258	964
65°	735	772	854	920	940	725
75°	383	432	520	586	604	403
85°	82	117	138	135	133	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2245.1	2233.4	2245.1	2245.1
5°	2235.8	2235.8	2226.4	2238.1	2238.1
7.5°	2219.4	2221.8	2214.8	2226.4	2226.4
10°	2198.4	2200.8	2196.1	2210.1	2210.1
12.5°	2170.4	2172.8	2170.4	2186.8	2186.8
15°	2140.1	2140.1	2142.4	2158.8	2161.1
17.5°	2100.4	2105.1	2109.8	2128.4	2128.4
20°	2056.1	2063.1	2070.1	2093.4	2093.4
22.5°	2011.7	2018.7	2028.1	2051.4	2056.1
25°	1958.1	1967.4	1979.1	2007.1	2014.1
27.5°	1902.0	1909.0	1927.7	1958.1	1960.4
30°	1839.0	1850.7	1874.0	1904.4	1911.4
32.5°	1773.7	1790.0	1815.7	1850.7	1857.7
35°	1703.7	1722.3	1755.0	1787.7	1799.4
37.5°	1638.3	1652.3	1689.7	1727.0	1734.0
40°	1561.3	1582.3	1622.0	1664.0	1673.3
42.5°	1484.3	1507.6	1552.0	1594.0	1610.3
45°	1404.9	1435.3	1482.0	1528.6	1542.6
47.5°	1325.6	1358.3	1407.3	1458.6	1475.0
50°	1248.6	1278.9	1332.6	1386.3	1402.6
52.5°	1162.2	1197.2	1255.6	1313.9	1330.3
55°	1078.2	1113.2	1178.6	1236.9	1257.9
57.5°	991.9	1031.5	1099.2	1159.9	1178.6
60°	905.5	947.5	1019.9	1080.5	1103.9
62.5°	819.2	858.8	938.2	998.9	1019.9
65°	735.1	772.5	854.2	919.5	940.5
67.5°	644.1	686.1	770.2	837.8	856.5
70°	555.4	597.5	686.1	756.1	774.8
72.5°	464.4	513.4	602.1	669.8	695.5
75°	382.7	431.8	520.4	585.8	604.5
77.5°	296.4	345.4	436.4	483.1	485.4
80°	212.4	268.4	345.4	364.1	373.4
82.5°	140.0	193.7	238.0	261.4	261.4
85°	81.7	116.7	137.7	135.4	133.0
87.5°	30.3	39.7	32.7	23.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)