

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: P302319

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302319  
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: ZX-WO-65H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

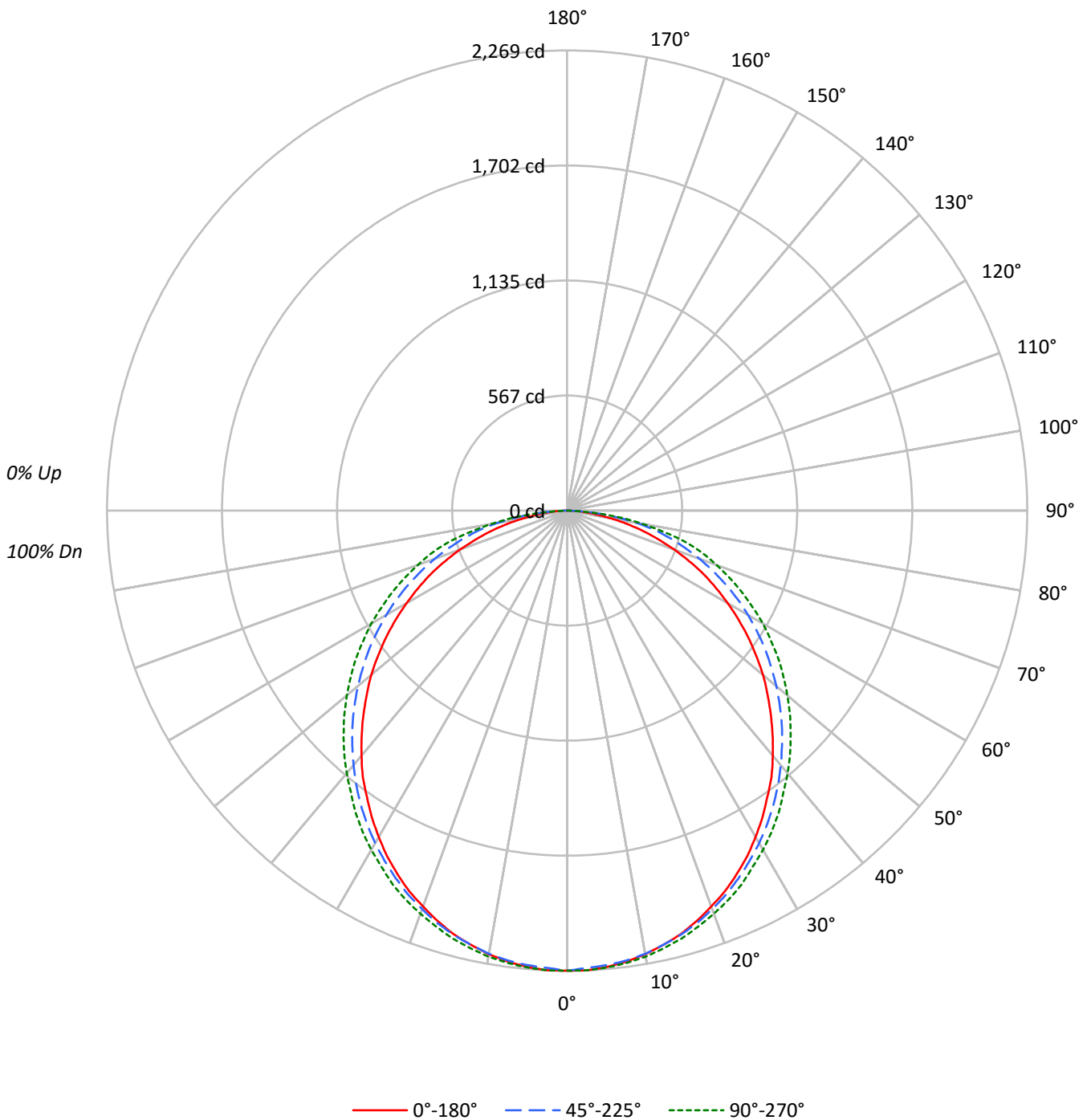
Lumens per Lamp: N/A  
Luminaire Lumens: 6603.2 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	3052	3052	3052
5°	3051	3039	3054
10°	3035	3032	3051
15°	3012	3015	3042
20°	2975	2995	3029
25°	2937	2969	3021
30°	2887	2942	3001
35°	2828	2913	2986
40°	2771	2879	2970
45°	2701	2849	2966
50°	2641	2819	2967
55°	2556	2794	2982
60°	2462	2773	3002
65°	2365	2748	3025
70°	2208	2727	3080
75°	2010	2734	3175
80°	1663	2704	2923
85°	1274	2147	2075



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.5	3.2
10°-20°	612.4	9.3
20°-30°	923.9	14.0
30°-40°	1109.2	16.8
40°-50°	1153.6	17.5
50°-60°	1060.9	16.1
60°-70°	845.5	12.8
70°-80°	535.8	8.1
80°-90°	147.4	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°	1750.8	26.5
0°-40°	2860.0	43.3
0°-60°	5074.6	76.8
0°-90°	6603.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6603.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2259	2259	2250	2262	2262	214
15°	2162	2162	2165	2181	2184	609
25°	1978	1988	2000	2028	2035	911
35°	1722	1740	1773	1806	1818	1078
45°	1420	1450	1497	1545	1559	1096
55°	1090	1125	1191	1250	1271	974
65°	743	781	863	929	950	732
75°	387	436	526	592	611	407
85°	82	118	139	137	134	98
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2268.6	2268.6	2268.6	2268.6	2268.6
2.5°	2268.6	2268.6	2256.8	2268.6	2268.6
5°	2259.1	2259.1	2249.7	2261.5	2261.5
7.5°	2242.6	2245.0	2237.9	2249.7	2249.7
10°	2221.4	2223.8	2219.0	2233.2	2233.2
12.5°	2193.1	2195.5	2193.1	2209.6	2209.6
15°	2162.4	2162.4	2164.8	2181.3	2183.7
17.5°	2122.4	2127.1	2131.8	2150.7	2150.7
20°	2077.6	2084.6	2091.7	2115.3	2115.3
22.5°	2032.7	2039.8	2049.3	2072.8	2077.6
25°	1978.5	1987.9	1999.7	2028.0	2035.1
27.5°	1921.9	1929.0	1947.9	1978.5	1980.9
30°	1858.2	1870.0	1893.6	1924.3	1931.3
32.5°	1792.2	1808.7	1834.7	1870.0	1877.1
35°	1721.5	1740.3	1773.3	1806.4	1818.2
37.5°	1655.4	1669.6	1707.3	1745.1	1752.1
40°	1577.6	1598.8	1638.9	1681.4	1690.8
42.5°	1499.8	1523.4	1568.2	1610.6	1627.1
45°	1419.6	1450.3	1497.4	1544.6	1558.8
47.5°	1339.4	1372.5	1422.0	1473.9	1490.4
50°	1261.6	1292.3	1346.5	1400.8	1417.3
52.5°	1174.4	1209.7	1268.7	1327.7	1344.2
55°	1089.5	1124.9	1190.9	1249.8	1271.1
57.5°	1002.2	1042.3	1110.7	1172.0	1190.9
60°	915.0	957.4	1030.5	1091.8	1115.4
62.5°	827.7	867.8	948.0	1009.3	1030.5
65°	742.8	780.6	863.1	929.1	950.3
67.5°	650.9	693.3	778.2	846.6	865.5
70°	561.2	603.7	693.3	764.0	782.9
72.5°	469.3	518.8	608.4	676.8	702.7
75°	386.7	436.3	525.9	591.9	610.8
77.5°	299.5	349.0	441.0	488.1	490.5
80°	214.6	271.2	349.0	367.9	377.3
82.5°	141.5	195.7	240.5	264.1	264.1
85°	82.5	117.9	139.1	136.8	134.4
87.5°	30.7	40.1	33.0	23.6	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)