

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: P302380

Luminaire Tested: **RX-WO-75L840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302380  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-75L840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

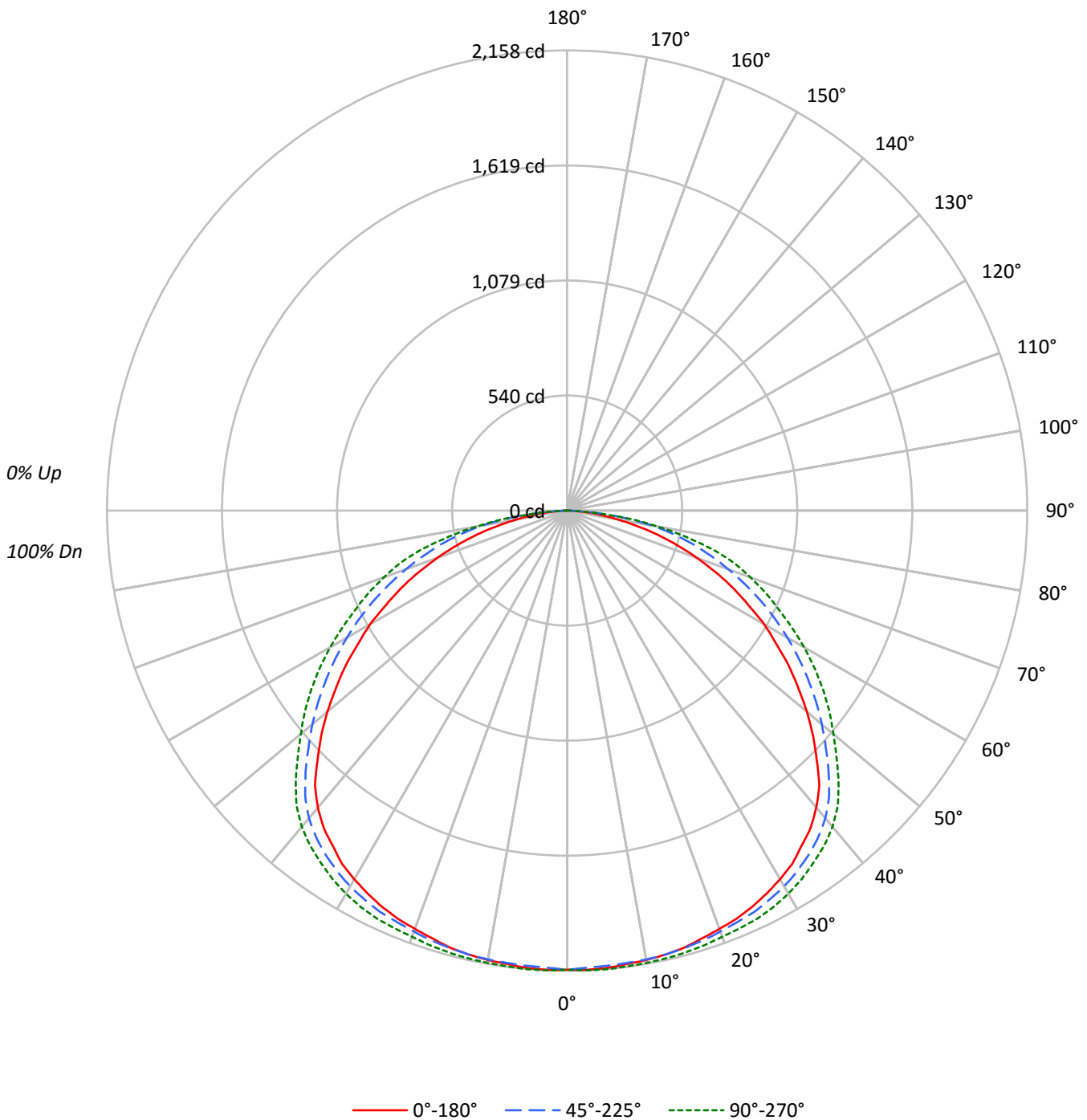
Lumens per Lamp: N/A  
Luminaire Lumens: 7332.1 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 55.4  
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	98	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		55	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2897	2897	2897
5°	2908	2894	2915
10°	2924	2920	2942
15°	2956	2959	2988
20°	2989	3008	3046
25°	3045	3084	3134
30°	3101	3162	3223
35°	3150	3240	3309
40°	3194	3309	3400
45°	3151	3301	3425
50°	3072	3264	3412
55°	2977	3234	3437
60°	2872	3210	3457
65°	2732	3190	3482
70°	2542	3170	3592
75°	2285	3183	3686
80°	1885	3142	3365
85°	1374	2342	2181



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.1	2.8
10°-20°	602.9	8.2
20°-30°	960.3	13.1
30°-40°	1234.5	16.8
40°-50°	1334.9	18.2
50°-60°	1227.9	16.7
60°-70°	979.0	13.4
70°-80°	621.9	8.5
80°-90°	165.7	2.3
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°	1768.3	24.1
0°-40°	3002.7	41.0
0°-60°	5565.6	75.9
0°-90°	7332.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7332.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2153	2153	2153	2153	2153	
5°	2153	2153	2143	2156	2158	205
15°	2122	2124	2124	2143	2145	600
25°	2051	2059	2077	2101	2111	946
35°	1918	1939	1973	2009	2014	1202
45°	1656	1685	1735	1782	1800	1277
55°	1269	1306	1379	1442	1465	1132
65°	858	903	1002	1075	1094	847
75°	440	502	612	693	709	465
85°	89	139	152	152	141	111
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2153.1	2153.1	2153.1	2153.1	2153.1
2.5°	2155.8	2155.8	2145.3	2158.4	2158.4
5°	2153.1	2153.1	2142.7	2155.8	2158.4
7.5°	2145.3	2147.9	2140.1	2153.1	2155.8
10°	2140.1	2142.7	2137.5	2150.5	2153.1
12.5°	2132.2	2134.8	2132.2	2147.9	2150.5
15°	2121.8	2124.4	2124.4	2142.7	2145.3
17.5°	2103.4	2108.7	2113.9	2134.8	2137.5
20°	2087.7	2093.0	2100.8	2124.4	2127.0
22.5°	2072.0	2077.3	2087.7	2116.5	2119.1
25°	2051.1	2059.0	2077.3	2100.8	2111.3
27.5°	2025.0	2040.7	2056.3	2085.1	2095.6
30°	1996.2	2011.9	2035.4	2066.8	2074.7
32.5°	1964.8	1980.5	2006.6	2040.7	2048.5
35°	1917.7	1938.6	1972.6	2009.3	2014.5
37.5°	1875.8	1896.8	1933.4	1972.6	1980.5
40°	1818.3	1844.4	1883.7	1920.3	1936.0
42.5°	1750.3	1776.4	1818.3	1862.7	1878.4
45°	1656.1	1684.8	1734.6	1781.6	1800.0
47.5°	1564.5	1590.7	1645.6	1700.5	1713.6
50°	1467.7	1499.1	1559.3	1616.8	1629.9
52.5°	1365.7	1404.9	1470.3	1530.5	1551.4
55°	1268.9	1305.5	1378.7	1441.5	1465.1
57.5°	1161.6	1206.1	1287.2	1355.2	1376.1
60°	1067.4	1106.7	1193.0	1263.6	1284.6
62.5°	957.5	1004.6	1098.8	1169.5	1187.8
65°	858.1	902.6	1002.0	1075.3	1093.6
67.5°	750.9	803.2	902.6	978.5	1007.2
70°	646.2	701.1	805.8	884.3	913.1
72.5°	541.6	601.7	706.4	787.5	824.1
75°	439.5	502.3	612.2	693.3	709.0
77.5°	337.5	408.1	512.8	570.3	570.3
80°	243.3	313.9	405.5	421.2	434.3
82.5°	162.2	227.6	277.3	293.0	295.6
85°	89.0	138.7	151.7	151.7	141.3
87.5°	34.0	44.5	31.4	15.7	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)