

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: P302373

Luminaire Tested: **RX-WO-40L840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302373
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-40L840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

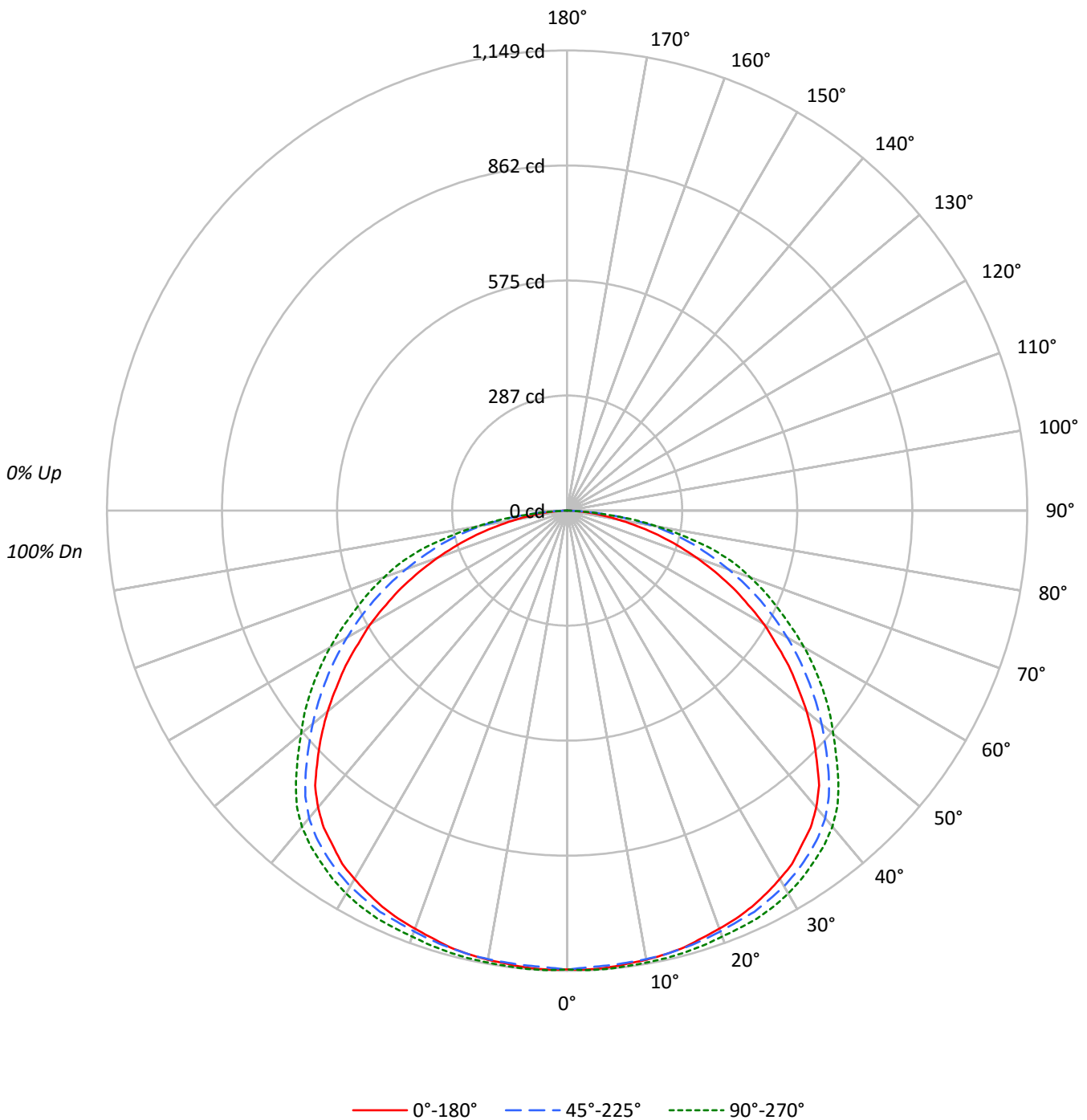
Lumens per Lamp: N/A
Luminaire Lumens: 3901.8 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.6
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	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°	1542	1542	1542
5°	1548	1540	1551
10°	1556	1554	1565
15°	1573	1575	1590
20°	1591	1601	1621
25°	1620	1641	1668
30°	1650	1683	1715
35°	1676	1724	1761
40°	1700	1761	1809
45°	1677	1756	1823
50°	1635	1737	1816
55°	1584	1721	1829
60°	1528	1709	1840
65°	1454	1698	1853
70°	1353	1687	1912
75°	1216	1694	1961
80°	1003	1672	1791
85°	730	1246	1161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	2.8
10°-20°	320.8	8.2
20°-30°	511.0	13.1
30°-40°	656.9	16.8
40°-50°	710.4	18.2
50°-60°	653.4	16.7
60°-70°	520.9	13.4
70°-80°	331.0	8.5
80°-90°	88.2	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°	941.0	24.1
0°-40°	1597.9	41.0
0°-60°	2961.7	75.9
0°-90°	3901.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3901.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1146	1146	1140	1147	1149	109
15°	1129	1130	1130	1140	1142	319
25°	1092	1096	1105	1118	1124	504
35°	1020	1032	1050	1069	1072	639
45°	881	897	923	948	958	679
55°	675	695	734	767	780	603
65°	457	480	533	572	582	451
75°	234	267	326	369	377	247
85°	47	74	81	81	75	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.8	1145.8	1145.8	1145.8	1145.8
2.5°	1147.2	1147.2	1141.6	1148.6	1148.6
5°	1145.8	1145.8	1140.2	1147.2	1148.6
7.5°	1141.6	1143.0	1138.8	1145.8	1147.2
10°	1138.8	1140.2	1137.4	1144.4	1145.8
12.5°	1134.7	1136.1	1134.7	1143.0	1144.4
15°	1129.1	1130.5	1130.5	1140.2	1141.6
17.5°	1119.3	1122.1	1124.9	1136.1	1137.4
20°	1111.0	1113.8	1118.0	1130.5	1131.9
22.5°	1102.6	1105.4	1111.0	1126.3	1127.7
25°	1091.5	1095.7	1105.4	1118.0	1123.5
27.5°	1077.6	1085.9	1094.3	1109.6	1115.2
30°	1062.3	1070.6	1083.1	1099.9	1104.0
32.5°	1045.6	1053.9	1067.8	1085.9	1090.1
35°	1020.5	1031.6	1049.7	1069.2	1072.0
37.5°	998.2	1009.4	1028.9	1049.7	1053.9
40°	967.6	981.5	1002.4	1021.9	1030.2
42.5°	931.4	945.3	967.6	991.3	999.6
45°	881.3	896.6	923.0	948.1	957.8
47.5°	832.5	846.5	875.7	904.9	911.9
50°	781.0	797.7	829.8	860.4	867.4
52.5°	726.7	747.6	782.4	814.4	825.6
55°	675.2	694.7	733.7	767.1	779.6
57.5°	618.1	641.8	685.0	721.2	732.3
60°	568.0	588.9	634.9	672.4	683.6
62.5°	509.6	534.6	584.7	622.3	632.1
65°	456.6	480.3	533.2	572.2	581.9
67.5°	399.6	427.4	480.3	520.7	536.0
70°	343.9	373.1	428.8	470.6	485.9
72.5°	288.2	320.2	375.9	419.1	438.5
75°	233.9	267.3	325.8	368.9	377.3
77.5°	179.6	217.2	272.9	303.5	303.5
80°	129.5	167.1	215.8	224.1	231.1
82.5°	86.3	121.1	147.6	155.9	157.3
85°	47.3	73.8	80.7	80.7	75.2
87.5°	18.1	23.7	16.7	8.4	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)