

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: P302405

Luminaire Tested: **RX-WO-50L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302405
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-50L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4060.1 lumens
Efficiency: N/A
Efficacy: 105.2 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

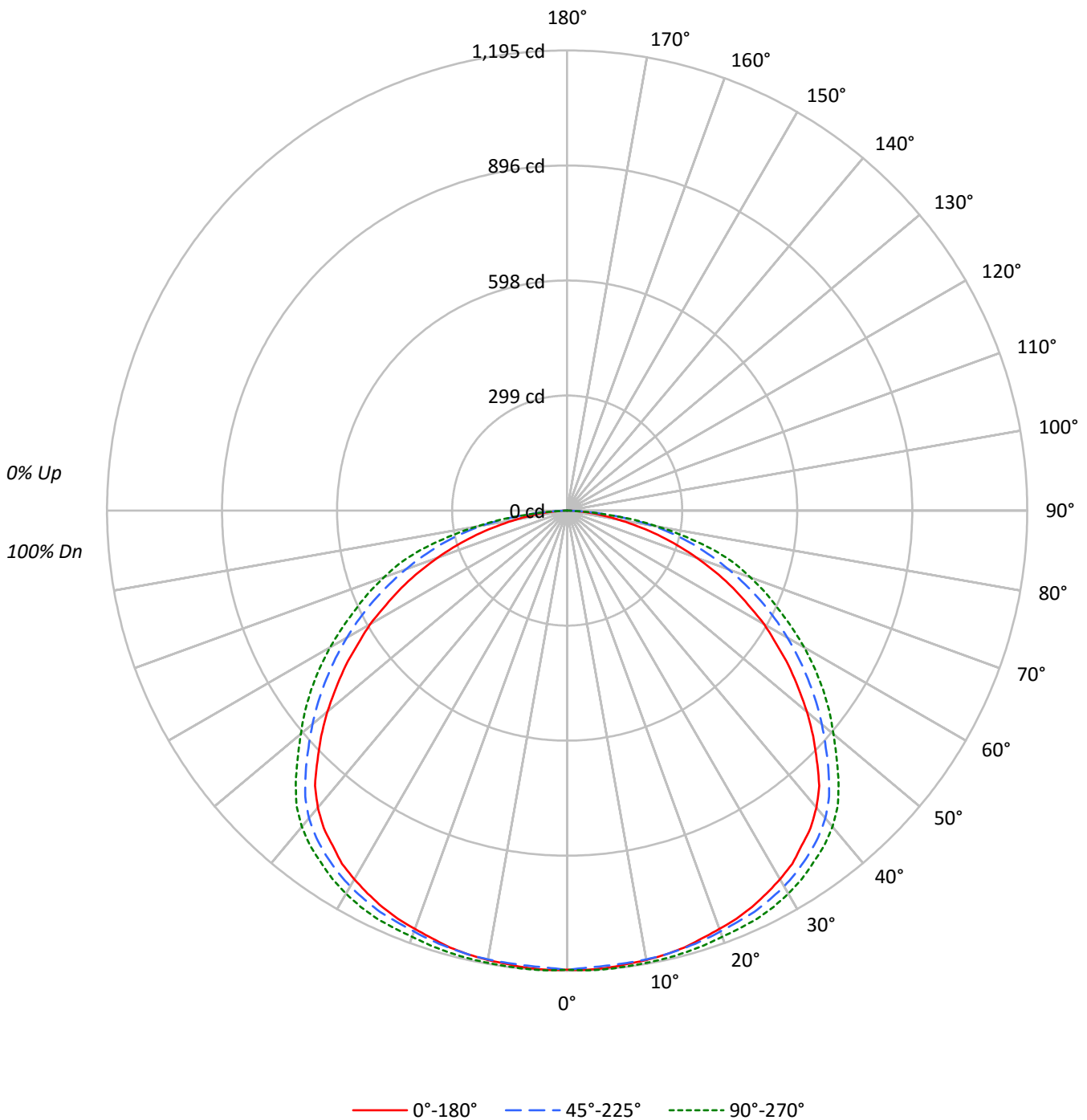
Input Watts (W): 38.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1604	1604	1604
5°	1610	1603	1614
10°	1619	1617	1629
15°	1637	1639	1655
20°	1655	1666	1686
25°	1686	1708	1736
30°	1717	1751	1785
35°	1744	1794	1832
40°	1769	1832	1883
45°	1745	1828	1897
50°	1701	1807	1889
55°	1648	1791	1903
60°	1591	1778	1914
65°	1513	1767	1928
70°	1408	1755	1989
75°	1265	1762	2041
80°	1044	1740	1863
85°	761	1297	1207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	2.8
10°-20°	333.8	8.2
20°-30°	531.7	13.1
30°-40°	683.6	16.8
40°-50°	739.2	18.2
50°-60°	680.0	16.7
60°-70°	542.1	13.4
70°-80°	344.4	8.5
80°-90°	91.7	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°	979.2	24.1
0°-40°	1662.8	41.0
0°-60°	3081.9	75.9
0°-90°	4060.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4060.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1192	1192	1192	1192	1192	
5°	1192	1192	1186	1194	1195	114
15°	1175	1176	1176	1186	1188	332
25°	1136	1140	1150	1163	1169	524
35°	1062	1074	1092	1113	1116	665
45°	917	933	960	987	997	707
55°	703	723	764	798	811	627
65°	475	500	555	595	606	469
75°	243	278	339	384	393	257
85°	49	77	84	84	78	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1192.3	1192.3	1192.3	1192.3	1192.3
2.5°	1193.7	1193.7	1187.9	1195.2	1195.2
5°	1192.3	1192.3	1186.5	1193.7	1195.2
7.5°	1187.9	1189.4	1185.0	1192.3	1193.7
10°	1185.0	1186.5	1183.6	1190.8	1192.3
12.5°	1180.7	1182.1	1180.7	1189.4	1190.8
15°	1174.9	1176.4	1176.4	1186.5	1187.9
17.5°	1164.8	1167.7	1170.6	1182.1	1183.6
20°	1156.1	1159.0	1163.3	1176.4	1177.8
22.5°	1147.4	1150.3	1156.1	1172.0	1173.5
25°	1135.8	1140.1	1150.3	1163.3	1169.1
27.5°	1121.3	1130.0	1138.7	1154.6	1160.4
30°	1105.4	1114.1	1127.1	1144.5	1148.8
32.5°	1088.0	1096.7	1111.2	1130.0	1134.3
35°	1061.9	1073.5	1092.3	1112.6	1115.5
37.5°	1038.7	1050.3	1070.6	1092.3	1096.7
40°	1006.9	1021.3	1043.1	1063.4	1072.0
42.5°	969.2	983.7	1006.9	1031.5	1040.2
45°	917.0	933.0	960.5	986.6	996.7
47.5°	866.3	880.8	911.2	941.7	948.9
50°	812.7	830.1	863.4	895.3	902.5
52.5°	756.2	778.0	814.2	847.5	859.1
55°	702.6	722.9	763.5	798.2	811.3
57.5°	643.2	667.9	712.8	750.4	762.0
60°	591.1	612.8	660.6	699.7	711.3
62.5°	530.2	556.3	608.5	647.6	657.7
65°	475.2	499.8	554.9	595.4	605.6
67.5°	415.8	444.8	499.8	541.8	557.8
70°	357.8	388.3	446.2	489.7	505.6
72.5°	299.9	333.2	391.2	436.1	456.3
75°	243.4	278.2	339.0	383.9	392.6
77.5°	186.9	226.0	283.9	315.8	315.8
80°	134.7	173.8	224.5	233.2	240.5
82.5°	89.8	126.0	153.6	162.3	163.7
85°	49.3	76.8	84.0	84.0	78.2
87.5°	18.8	24.6	17.4	8.7	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)