

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: P302364

Luminaire Tested: **RX-WO-45L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302364
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-45L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

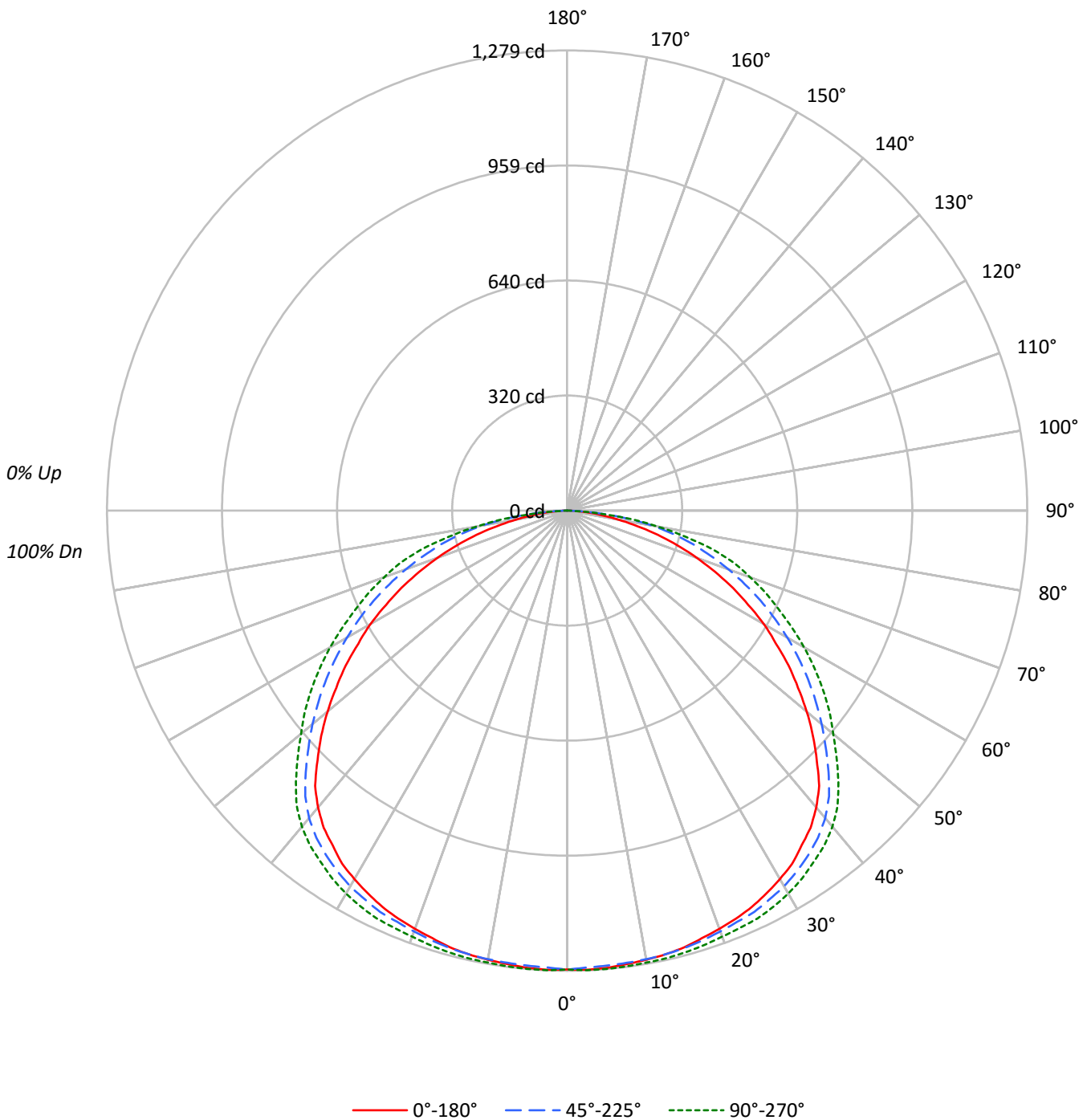
Lumens per Lamp: N/A
Luminaire Lumens: 4344.1 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
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	92	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°	1716	1716	1716
5°	1723	1715	1727
10°	1732	1730	1743
15°	1751	1753	1770
20°	1771	1782	1804
25°	1804	1827	1857
30°	1837	1874	1910
35°	1866	1920	1960
40°	1892	1960	2015
45°	1867	1956	2029
50°	1820	1934	2021
55°	1764	1916	2036
60°	1702	1902	2048
65°	1619	1890	2063
70°	1506	1878	2128
75°	1354	1886	2184
80°	1117	1862	1994
85°	814	1388	1292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	2.8
10°-20°	357.2	8.2
20°-30°	568.9	13.1
30°-40°	731.4	16.8
40°-50°	790.9	18.2
50°-60°	727.5	16.7
60°-70°	580.0	13.4
70°-80°	368.5	8.5
80°-90°	98.2	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°	1047.6	24.1
0°-40°	1779.0	41.0
0°-60°	3297.4	75.9
0°-90°	4344.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4344.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1276	1276	1276	1276	1276	
5°	1276	1276	1270	1277	1279	121
15°	1257	1259	1259	1270	1271	355
25°	1215	1220	1231	1245	1251	561
35°	1136	1149	1169	1190	1194	712
45°	981	998	1028	1056	1066	756
55°	752	774	817	854	868	671
65°	508	535	594	637	648	502
75°	260	298	363	411	420	275
85°	53	82	90	90	84	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.7	1275.7	1275.7	1275.7	1275.7
2.5°	1277.2	1277.2	1271.0	1278.8	1278.8
5°	1275.7	1275.7	1269.5	1277.2	1278.8
7.5°	1271.0	1272.6	1267.9	1275.7	1277.2
10°	1267.9	1269.5	1266.4	1274.1	1275.7
12.5°	1263.3	1264.8	1263.3	1272.6	1274.1
15°	1257.1	1258.6	1258.6	1269.5	1271.0
17.5°	1246.2	1249.3	1252.4	1264.8	1266.4
20°	1236.9	1240.0	1244.7	1258.6	1260.2
22.5°	1227.6	1230.7	1236.9	1254.0	1255.5
25°	1215.2	1219.9	1230.7	1244.7	1250.9
27.5°	1199.7	1209.0	1218.3	1235.4	1241.6
30°	1182.7	1192.0	1205.9	1224.5	1229.2
32.5°	1164.1	1173.4	1188.9	1209.0	1213.7
35°	1136.2	1148.6	1168.7	1190.4	1193.5
37.5°	1111.4	1123.8	1145.5	1168.7	1173.4
40°	1077.3	1092.8	1116.0	1137.7	1147.0
42.5°	1037.0	1052.5	1077.3	1103.6	1112.9
45°	981.2	998.2	1027.7	1055.6	1066.4
47.5°	926.9	942.4	975.0	1007.5	1015.3
50°	869.6	888.2	923.8	957.9	965.7
52.5°	809.1	832.4	871.1	906.8	919.2
55°	751.8	773.5	816.9	854.1	868.0
57.5°	688.2	714.6	762.6	802.9	815.3
60°	632.4	655.7	706.8	748.7	761.1
62.5°	567.3	595.2	651.0	692.9	703.7
65°	508.4	534.8	593.7	637.1	647.9
67.5°	444.9	475.9	534.8	579.7	596.8
70°	382.9	415.4	477.4	523.9	541.0
72.5°	320.9	356.5	418.5	466.6	488.3
75°	260.4	297.6	362.7	410.8	420.1
77.5°	200.0	241.8	303.8	337.9	337.9
80°	144.2	186.0	240.3	249.6	257.3
82.5°	96.1	134.9	164.3	173.6	175.2
85°	52.7	82.2	89.9	89.9	83.7
87.5°	20.2	26.4	18.6	9.3	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)