

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: P189014

Luminaire Tested: **RZL-NL-40L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34812)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-NL-40L835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH SOLID ALUMINUM SIDES, FROSTED LINEAR PRISMATIC LENS AND INLAY
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4123.4 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')
CIE Type: Direct

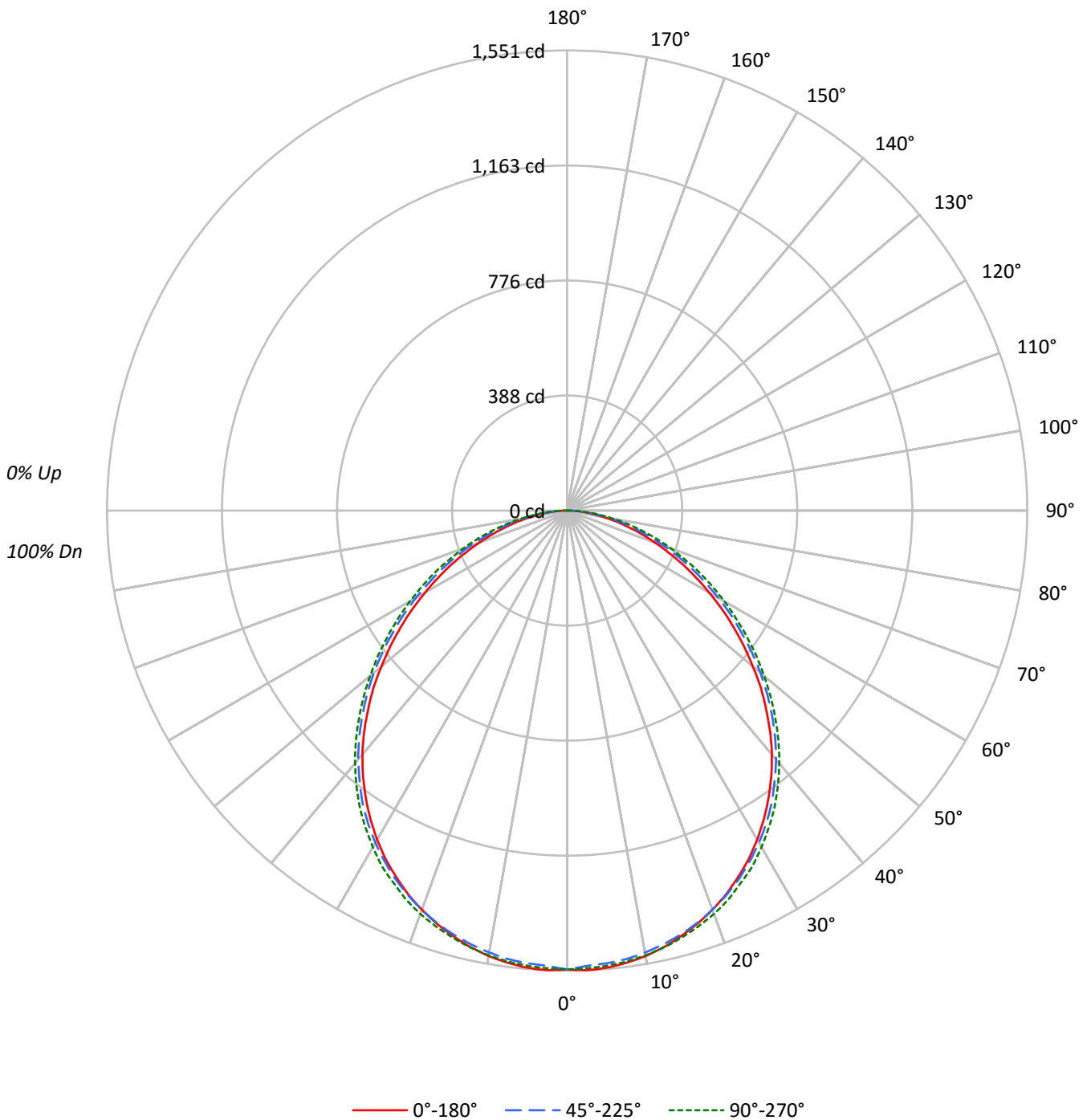
Input Watts (W): 34.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8143	8143	8143
5°	8174	8095	8138
10°	8152	8086	8137
15°	8094	8064	8124
20°	8021	8021	8105
25°	7918	7958	8045
30°	7786	7861	7961
35°	7606	7730	7835
40°	7379	7530	7643
45°	7065	7269	7392
50°	6694	6964	7098
55°	6280	6582	6771
60°	5819	6195	6440
65°	5347	5774	6098
70°	4834	5319	5720
75°	4323	4854	5299
80°	3741	4366	4824
85°	3147	3812	4144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	3.5
10°-20°	419.3	10.2
20°-30°	632.9	15.3
30°-40°	751.3	18.2
40°-50°	751.6	18.2
50°-60°	640.5	15.5
60°-70°	457.8	11.1
70°-80°	252.7	6.1
80°-90°	71.0	1.7
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°	1198.6	29.1
0°-40°	1949.8	47.3
0°-60°	3341.9	81.0
0°-90°	4123.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1547	1547	1547	1547	1547	
5°	1547	1541	1532	1543	1540	147
15°	1485	1484	1480	1493	1490	419
25°	1363	1366	1370	1388	1385	628
35°	1183	1190	1203	1216	1219	739
45°	949	961	976	993	993	732
55°	684	697	717	736	738	612
65°	429	439	464	485	490	426
75°	212	218	239	256	260	226
85°	52	55	63	69	69	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1546.7	1546.7	1546.7	1546.7	1546.7
2.5°	1550.8	1545.4	1535.8	1545.4	1544.0
5°	1546.7	1541.3	1531.7	1542.6	1539.9
7.5°	1537.1	1531.7	1524.8	1534.4	1533.0
10°	1524.8	1519.3	1512.5	1524.8	1522.1
12.5°	1507.0	1504.2	1497.4	1511.1	1508.3
15°	1485.0	1483.7	1479.5	1493.3	1490.5
17.5°	1460.3	1459.0	1457.6	1472.7	1469.9
20°	1431.6	1431.6	1431.6	1446.6	1446.6
22.5°	1400.0	1400.0	1402.8	1419.2	1419.2
25°	1363.0	1365.7	1369.8	1387.7	1384.9
27.5°	1324.6	1327.3	1332.8	1352.0	1352.0
30°	1280.7	1284.8	1293.1	1309.5	1309.5
32.5°	1234.1	1239.6	1249.2	1265.6	1265.6
35°	1183.4	1190.2	1202.6	1216.3	1219.0
37.5°	1129.9	1135.4	1149.1	1166.9	1166.9
40°	1073.7	1081.9	1095.6	1112.1	1112.1
42.5°	1013.3	1021.6	1038.0	1053.1	1054.5
45°	948.9	961.2	976.3	992.8	992.8
47.5°	885.8	896.8	914.6	928.3	931.1
50°	817.2	832.3	850.2	865.2	866.6
52.5°	751.4	765.1	784.3	802.2	803.5
55°	684.2	696.6	717.1	736.3	737.7
57.5°	619.8	632.1	654.1	673.3	674.6
60°	552.6	563.6	588.3	607.5	611.6
62.5°	490.9	501.9	523.8	547.1	549.9
65°	429.2	438.8	463.5	485.4	489.5
67.5°	370.2	378.5	403.1	423.7	427.8
70°	314.0	322.2	345.5	366.1	371.6
72.5°	261.9	268.8	290.7	309.9	315.4
75°	212.5	218.0	238.6	256.4	260.5
77.5°	165.9	171.4	189.2	205.7	208.4
80°	123.4	127.5	144.0	156.3	159.1
82.5°	86.4	90.5	101.5	111.1	112.4
85°	52.1	54.8	63.1	68.6	68.6
87.5°	24.7	24.7	28.8	30.2	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)