

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: P188999

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34816)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-NB-40L835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH OPAQUE SIDES, CLEAR PRISMATIC LENS, INLAY AND INTERNAL BAFFLE
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3805.2 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.3 / 1.33
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')
CIE Type: Direct

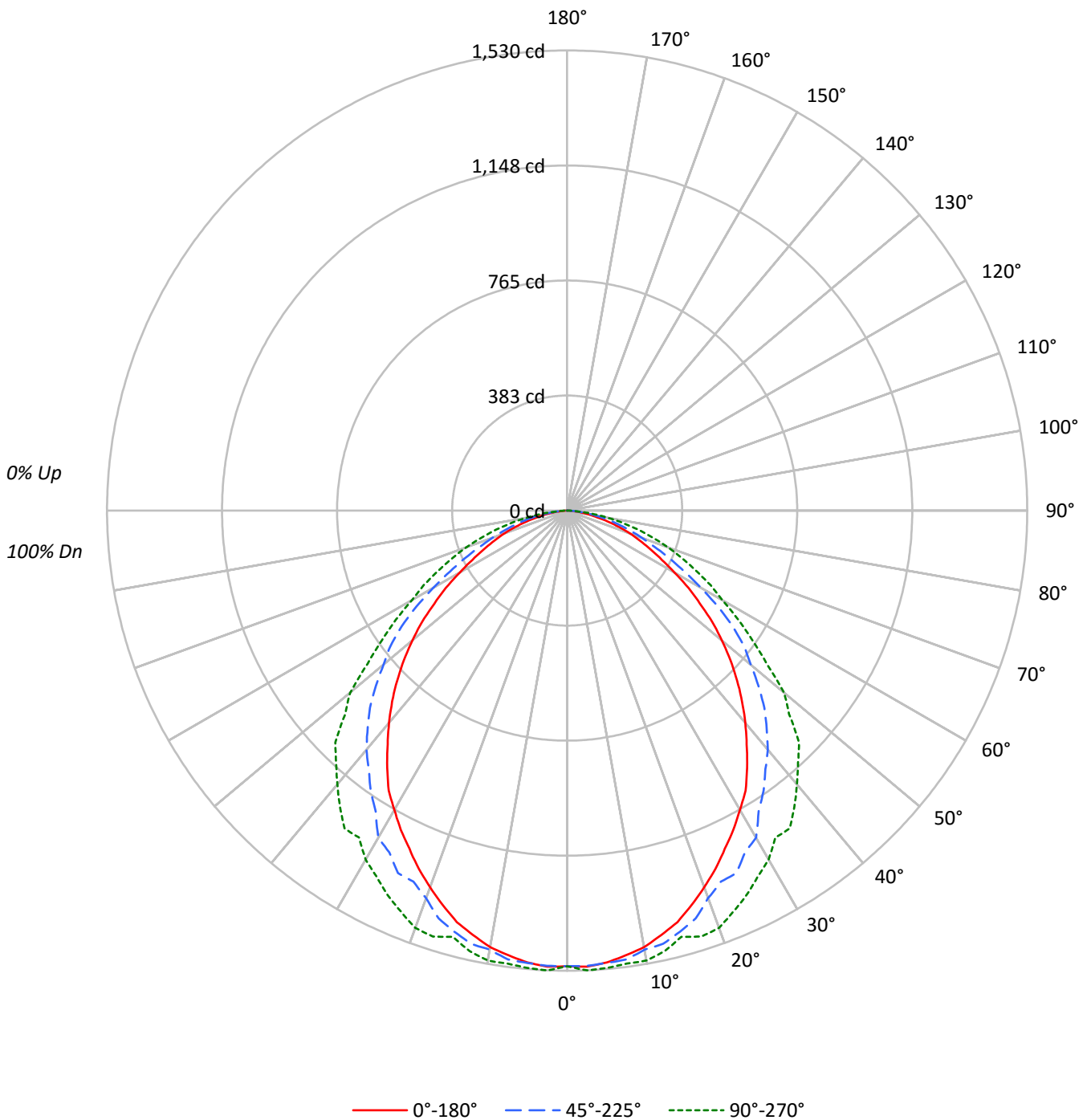
Input Watts (W): 34.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7977	7977	7977
5°	7971	7979	8066
10°	7880	7924	8122
15°	7720	7900	7997
20°	7467	7683	8274
25°	7209	7726	8196
30°	6985	7636	8144
35°	6707	7315	8293
40°	6333	7134	8171
45°	5952	6901	8117
50°	5503	6526	7716
55°	4947	6167	6897
60°	4346	5414	6266
65°	3810	4663	5876
70°	3419	4053	5488
75°	2817	3570	4937
80°	2119	2953	4114
85°	1244	1987	2730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	3.8
10°-20°	408.5	10.7
20°-30°	610.8	16.1
30°-40°	718.1	18.9
40°-50°	718.7	18.9
50°-60°	584.3	15.4
60°-70°	381.8	10.0
70°-80°	196.0	5.1
80°-90°	43.1	1.1
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°	1163.2	30.6
0°-40°	1881.3	49.4
0°-60°	3184.3	83.7
0°-90°	3805.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3805.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1508	1518	1510	1516	1526	143
15°	1416	1420	1449	1468	1467	398
25°	1241	1263	1330	1384	1411	572
35°	1044	1071	1138	1214	1290	651
45°	799	840	927	1034	1090	616
55°	539	579	672	725	751	484
65°	306	328	374	437	472	307
75°	138	140	176	230	243	149
85°	21	23	33	42	45	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1515.1	1515.1	1515.1	1515.1	1515.1
2.5°	1517.9	1511.0	1515.1	1533.0	1530.2
5°	1508.3	1517.9	1509.7	1516.5	1526.1
7.5°	1491.8	1506.9	1505.6	1511.0	1519.3
10°	1474.0	1480.9	1482.2	1512.4	1519.3
12.5°	1445.2	1458.9	1475.4	1486.4	1500.1
15°	1416.4	1420.5	1449.3	1468.5	1467.2
17.5°	1375.3	1390.4	1421.9	1438.4	1485.0
20°	1332.8	1357.5	1371.2	1460.3	1476.8
22.5°	1288.9	1312.2	1335.5	1435.6	1443.8
25°	1240.9	1262.9	1330.0	1383.5	1410.9
27.5°	1197.0	1219.0	1280.7	1356.1	1372.5
30°	1149.0	1175.1	1256.0	1315.0	1339.6
32.5°	1103.8	1118.9	1184.7	1269.7	1288.9
35°	1043.5	1070.9	1138.1	1213.5	1290.3
37.5°	980.4	1009.2	1083.2	1198.4	1240.9
40°	921.4	957.1	1038.0	1139.4	1188.8
42.5°	861.1	903.6	981.8	1088.7	1136.7
45°	799.4	840.5	926.9	1033.9	1090.1
47.5°	736.3	777.5	862.5	979.0	1001.0
50°	671.9	711.6	796.7	887.2	942.0
52.5°	607.4	643.1	741.8	806.3	836.4
55°	538.9	578.6	671.9	725.4	751.4
57.5°	478.5	510.1	593.7	636.2	674.6
60°	412.7	447.0	514.2	560.8	595.1
62.5°	355.1	386.7	438.8	499.1	537.5
65°	305.8	327.7	374.3	437.4	471.7
67.5°	263.3	274.2	312.6	385.3	412.7
70°	222.1	226.2	263.3	333.2	356.5
72.5°	179.6	181.0	218.0	279.7	297.5
75°	138.5	139.9	175.5	230.4	242.7
77.5°	101.5	104.2	135.7	179.6	189.2
80°	69.9	72.7	97.4	126.1	135.7
82.5°	42.5	45.2	61.7	83.6	89.1
85°	20.6	23.3	32.9	42.5	45.2
87.5°	6.9	8.2	12.3	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)