

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: P189013

Luminaire Tested: **RZL-NL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189013
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-30L835-1D-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: 3111.0 lumens
Efficiency: N/A
Efficacy: 125.4 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

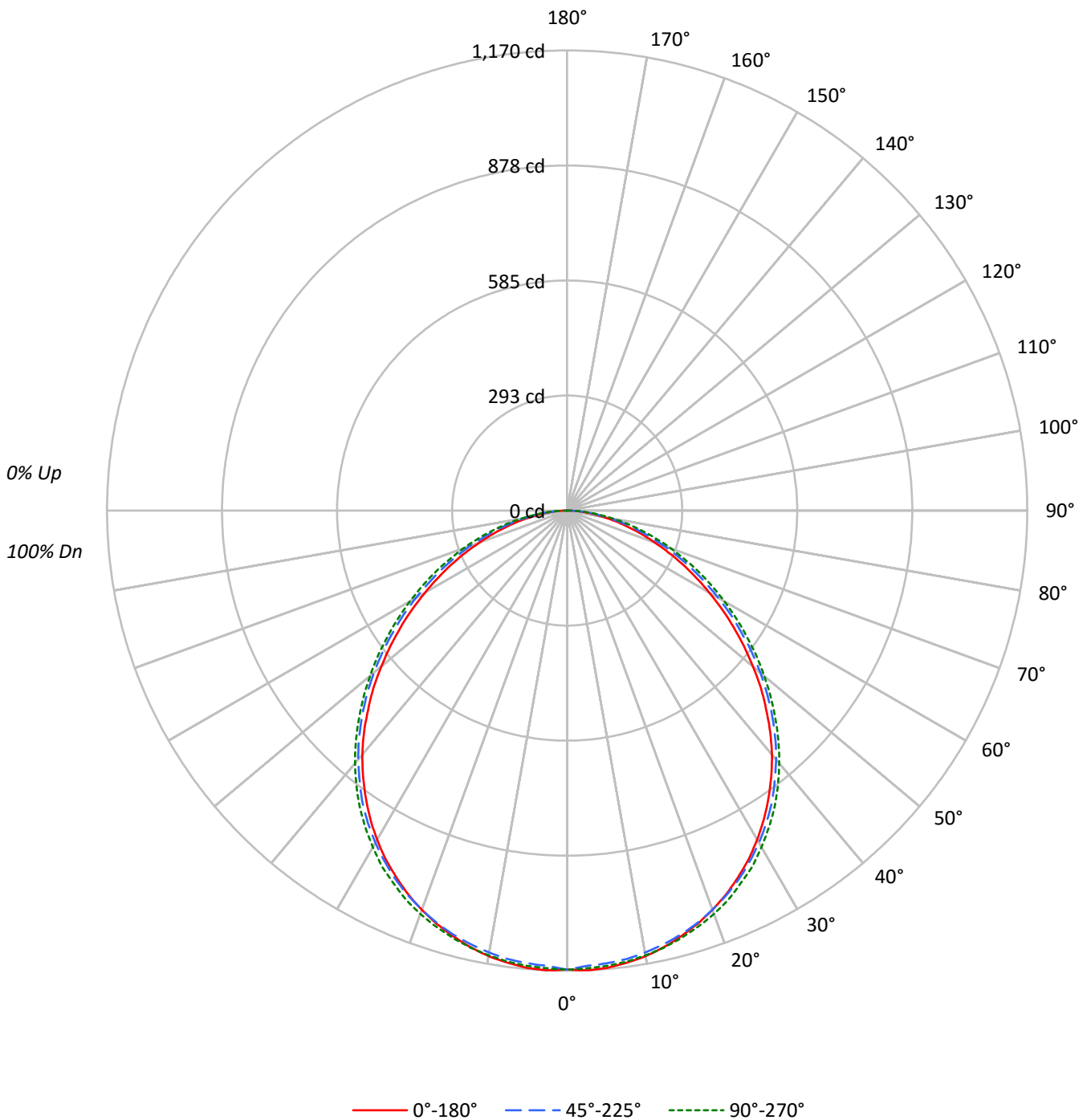
Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6144	6144	6144
5°	6168	6107	6140
10°	6150	6101	6140
15°	6107	6085	6130
20°	6052	6052	6116
25°	5974	6004	6070
30°	5875	5931	6007
35°	5738	5832	5911
40°	5568	5681	5766
45°	5330	5485	5577
50°	5050	5254	5355
55°	4738	4967	5109
60°	4390	4673	4859
65°	4034	4357	4601
70°	3647	4013	4316
75°	3263	3662	3999
80°	2823	3293	3638
85°	2374	2875	3123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.5
10°-20°	316.3	10.2
20°-30°	477.5	15.4
30°-40°	566.8	18.2
40°-50°	567.1	18.2
50°-60°	483.2	15.5
60°-70°	345.4	11.1
70°-80°	190.7	6.1
80°-90°	53.6	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°	904.3	29.1
0°-40°	1471.1	47.3
0°-60°	2521.4	81.0
0°-90°	3111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1167	1163	1156	1164	1162	111
15°	1120	1119	1116	1127	1125	316
25°	1028	1030	1034	1047	1045	474
35°	893	898	907	918	920	558
45°	716	725	737	749	749	552
55°	516	526	541	556	557	462
65°	324	331	350	366	369	322
75°	160	164	180	194	197	171
85°	39	41	48	52	52	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.0	1167.0	1167.0	1167.0	1167.0
2.5°	1170.1	1166.0	1158.7	1166.0	1164.9
5°	1167.0	1162.9	1155.6	1163.9	1161.8
7.5°	1159.7	1155.6	1150.4	1157.7	1156.6
10°	1150.4	1146.3	1141.1	1150.4	1148.4
12.5°	1137.0	1134.9	1129.7	1140.1	1138.0
15°	1120.4	1119.4	1116.3	1126.6	1124.6
17.5°	1101.8	1100.8	1099.7	1111.1	1109.1
20°	1080.1	1080.1	1080.1	1091.5	1091.5
22.5°	1056.3	1056.3	1058.4	1070.8	1070.8
25°	1028.4	1030.4	1033.5	1047.0	1044.9
27.5°	999.4	1001.5	1005.6	1020.1	1020.1
30°	966.3	969.4	975.6	988.0	988.0
32.5°	931.1	935.2	942.5	954.9	954.9
35°	892.8	898.0	907.3	917.7	919.7
37.5°	852.5	856.6	867.0	880.4	880.4
40°	810.1	816.3	826.6	839.0	839.0
42.5°	764.5	770.8	783.2	794.5	795.6
45°	715.9	725.2	736.6	749.0	749.0
47.5°	668.3	676.6	690.1	700.4	702.5
50°	616.6	628.0	641.4	652.8	653.8
52.5°	566.9	577.3	591.8	605.2	606.3
55°	516.2	525.6	541.1	555.6	556.6
57.5°	467.6	476.9	493.5	508.0	509.0
60°	416.9	425.2	443.8	458.3	461.4
62.5°	370.4	378.7	395.2	412.8	414.9
65°	323.8	331.1	349.7	366.2	369.3
67.5°	279.3	285.5	304.2	319.7	322.8
70°	236.9	243.1	260.7	276.2	280.4
72.5°	197.6	202.8	219.3	233.8	238.0
75°	160.4	164.5	180.0	193.5	196.6
77.5°	125.2	129.3	142.8	155.2	157.3
80°	93.1	96.2	108.6	117.9	120.0
82.5°	65.2	68.3	76.6	83.8	84.8
85°	39.3	41.4	47.6	51.7	51.7
87.5°	18.6	18.6	21.7	22.8	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)