

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: P188998

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P188998  
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-30L835-1D-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: 2871.0 lumens  
Efficiency: N/A  
Efficacy: 115.8 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

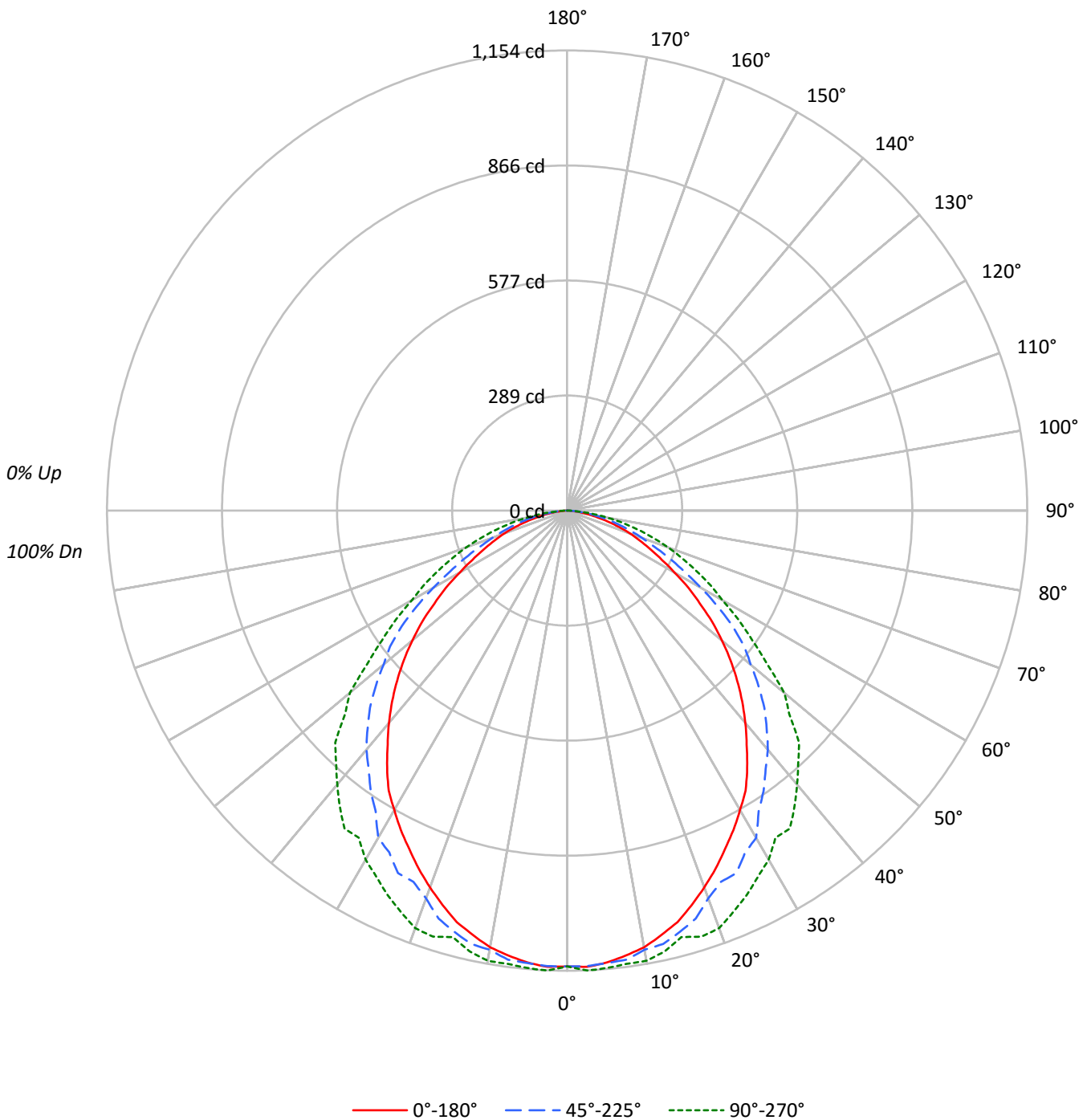
Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	6019	6019	6019
5°	6014	6020	6085
10°	5945	5979	6128
15°	5825	5960	6034
20°	5634	5796	6243
25°	5439	5830	6184
30°	5270	5761	6145
35°	5060	5519	6257
40°	4778	5382	6164
45°	4491	5207	6124
50°	4152	4924	5821
55°	3732	4653	5204
60°	3279	4086	4728
65°	2874	3518	4434
70°	2580	3057	4141
75°	2126	2693	3725
80°	1601	2228	3105
85°	936	1498	2060



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.6	3.8
10°-20°	308.2	10.7
20°-30°	460.8	16.1
30°-40°	541.8	18.9
40°-50°	542.3	18.9
50°-60°	440.8	15.4
60°-70°	288.1	10.0
70°-80°	147.8	5.1
80°-90°	32.5	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°	877.6	30.6
0°-40°	1419.5	49.4
0°-60°	2402.5	83.7
0°-90°	2871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2871.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1138	1145	1139	1144	1151	108
15°	1069	1072	1094	1108	1107	300
25°	936	953	1004	1044	1064	432
35°	787	808	859	916	974	491
45°	603	634	699	780	822	464
55°	407	437	507	547	567	365
65°	231	247	282	330	356	232
75°	104	106	132	174	183	112
85°	16	18	25	32	34	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1143.2	1143.2	1143.2	1143.2	1143.2
2.5°	1145.2	1140.1	1143.2	1156.6	1154.5
5°	1138.0	1145.2	1139.0	1144.2	1151.4
7.5°	1125.6	1137.0	1135.9	1140.1	1146.3
10°	1112.1	1117.3	1118.3	1141.1	1146.3
12.5°	1090.4	1100.7	1113.2	1121.4	1131.8
15°	1068.7	1071.8	1093.5	1108.0	1107.0
17.5°	1037.6	1049.0	1072.8	1085.2	1120.4
20°	1005.6	1024.2	1034.5	1101.8	1114.2
22.5°	972.5	990.0	1007.6	1083.2	1089.4
25°	936.3	952.8	1003.5	1043.8	1064.5
27.5°	903.1	919.7	966.3	1023.2	1035.6
30°	866.9	886.6	947.6	992.1	1010.7
32.5°	832.8	844.2	893.8	958.0	972.5
35°	787.3	808.0	858.7	915.6	973.5
37.5°	739.7	761.4	817.3	904.2	936.3
40°	695.2	722.1	783.1	859.7	896.9
42.5°	649.7	681.8	740.7	821.4	857.6
45°	603.1	634.2	699.3	780.0	822.5
47.5°	555.5	586.6	650.7	738.7	755.2
50°	506.9	536.9	601.1	669.3	710.7
52.5°	458.3	485.2	559.7	608.3	631.1
55°	406.6	436.6	506.9	547.3	566.9
57.5°	361.1	384.8	448.0	480.0	509.0
60°	311.4	337.3	388.0	423.1	449.0
62.5°	267.9	291.7	331.1	376.6	405.5
65°	230.7	247.3	282.4	330.0	355.9
67.5°	198.6	206.9	235.9	290.7	311.4
70°	167.6	170.7	198.6	251.4	269.0
72.5°	135.5	136.6	164.5	211.0	224.5
75°	104.5	105.5	132.4	173.8	183.1
77.5°	76.6	78.6	102.4	135.5	142.8
80°	52.8	54.8	73.5	95.2	102.4
82.5°	32.1	34.1	46.6	63.1	67.2
85°	15.5	17.6	24.8	32.1	34.1
87.5°	5.2	6.2	9.3	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)