

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: P188993

Luminaire Tested: **RZL-NB-30L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P188993  
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-30L830-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH OPAQUE SIDES, CLEAR PRISMATIC LENS, INLAY AND INTERNAL BAFFLE  
Light Source: (112) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2775.1 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

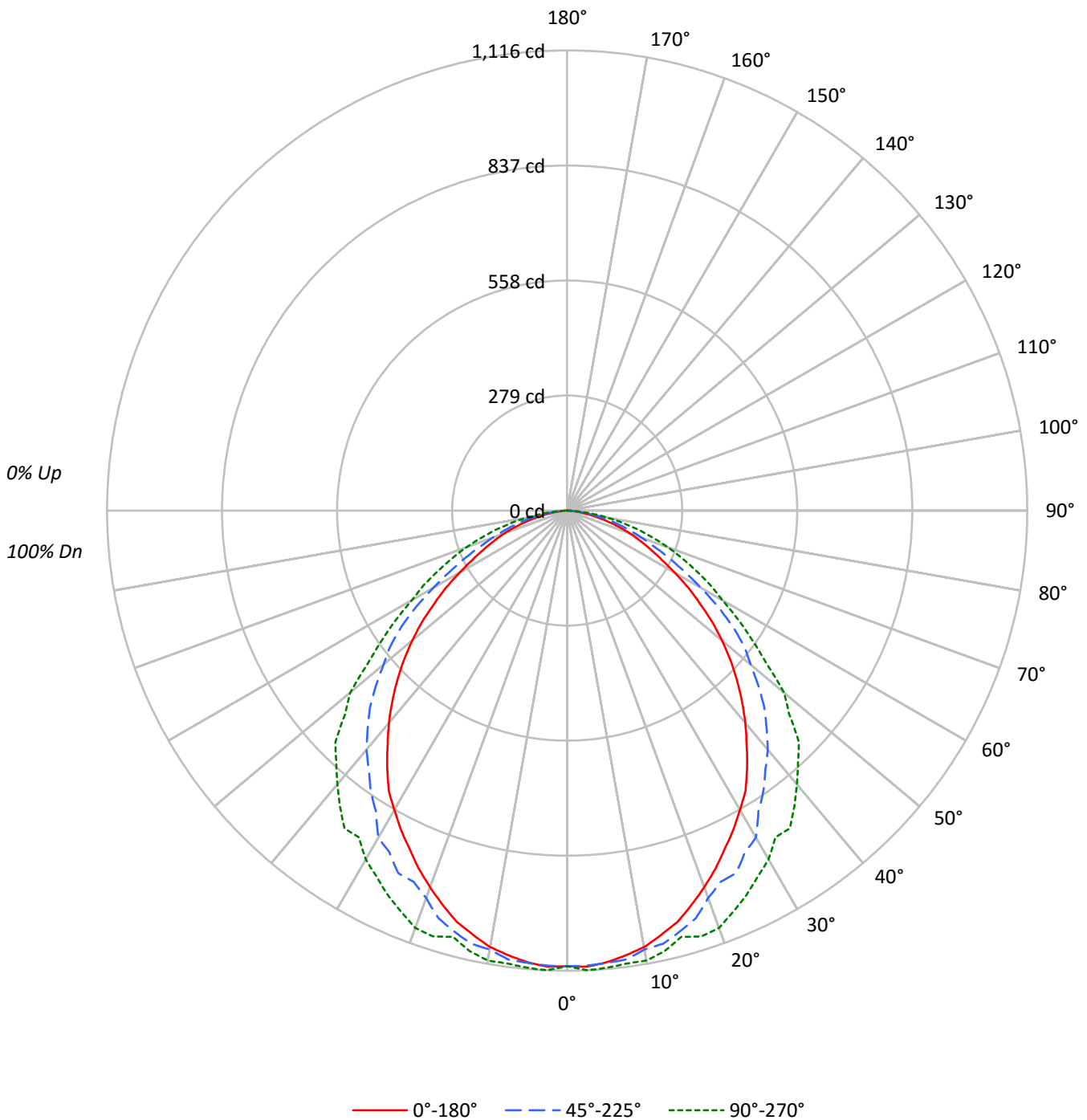
Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5817	5817	5817
5°	5813	5818	5882
10°	5747	5779	5923
15°	5630	5761	5832
20°	5445	5602	6034
25°	5257	5634	5977
30°	5095	5568	5939
35°	4891	5335	6047
40°	4619	5203	5958
45°	4341	5033	5919
50°	4014	4759	5627
55°	3607	4498	5030
60°	3170	3949	4570
65°	2778	3401	4286
70°	2494	2956	4002
75°	2055	2604	3601
80°	1546	2153	3002
85°	906	1450	1993



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	3.8
10°-20°	297.9	10.7
20°-30°	445.4	16.1
30°-40°	523.7	18.9
40°-50°	524.2	18.9
50°-60°	426.1	15.4
60°-70°	278.5	10.0
70°-80°	142.9	5.1
80°-90°	31.4	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°	848.3	30.6
0°-40°	1372.0	49.4
0°-60°	2322.2	83.7
0°-90°	2775.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2775.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1105	1105	1105	1105	1105	
5°	1100	1107	1101	1106	1113	104
15°	1033	1036	1057	1071	1070	290
25°	905	921	970	1009	1029	417
35°	761	781	830	885	941	475
45°	583	613	676	754	795	449
55°	393	422	490	529	548	353
65°	223	239	273	319	344	224
75°	101	102	128	168	177	109
85°	15	17	24	31	33	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1104.9	1104.9	1104.9	1104.9	1104.9
2.5°	1106.9	1101.9	1104.9	1117.9	1115.9
5°	1099.9	1106.9	1100.9	1105.9	1112.9
7.5°	1087.9	1098.9	1097.9	1101.9	1107.9
10°	1074.9	1079.9	1080.9	1102.9	1107.9
12.5°	1053.9	1063.9	1075.9	1083.9	1093.9
15°	1032.9	1035.9	1056.9	1070.9	1069.9
17.5°	1002.9	1013.9	1036.9	1048.9	1082.9
20°	971.9	989.9	999.9	1064.9	1076.9
22.5°	939.9	956.9	973.9	1046.9	1052.9
25°	904.9	920.9	969.9	1008.9	1028.9
27.5°	872.9	888.9	933.9	988.9	1000.9
30°	838.0	856.9	915.9	958.9	976.9
32.5°	805.0	816.0	863.9	925.9	939.9
35°	761.0	781.0	830.0	884.9	940.9
37.5°	715.0	736.0	790.0	873.9	904.9
40°	672.0	698.0	757.0	831.0	866.9
42.5°	628.0	659.0	716.0	794.0	829.0
45°	583.0	613.0	676.0	754.0	795.0
47.5°	537.0	567.0	629.0	714.0	730.0
50°	490.0	519.0	581.0	647.0	687.0
52.5°	443.0	469.0	541.0	588.0	610.0
55°	393.0	422.0	490.0	529.0	548.0
57.5°	349.0	372.0	433.0	464.0	492.0
60°	301.0	326.0	375.0	409.0	434.0
62.5°	259.0	282.0	320.0	364.0	392.0
65°	223.0	239.0	273.0	319.0	344.0
67.5°	192.0	200.0	228.0	281.0	301.0
70°	162.0	165.0	192.0	243.0	260.0
72.5°	131.0	132.0	159.0	204.0	217.0
75°	101.0	102.0	128.0	168.0	177.0
77.5°	74.0	76.0	99.0	131.0	138.0
80°	51.0	53.0	71.0	92.0	99.0
82.5°	31.0	33.0	45.0	61.0	65.0
85°	15.0	17.0	24.0	31.0	33.0
87.5°	5.0	6.0	9.0	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)