

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: P189033

Luminaire Tested: **RZL-WB-30L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34813)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-WB-30L840-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH LUMINOUS SIDES, SNAP-ON CLEAR LINEAR PRISMATIC LENS AND INTERNAL
BAFFLE
Light Source: (112) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3079.8 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.22 / 1.27
Luminous Opening: Rectangular w/ Sides (W: 0.53' x L: 3.83' x H: 0.12')
CIE Type: Semi-Direct

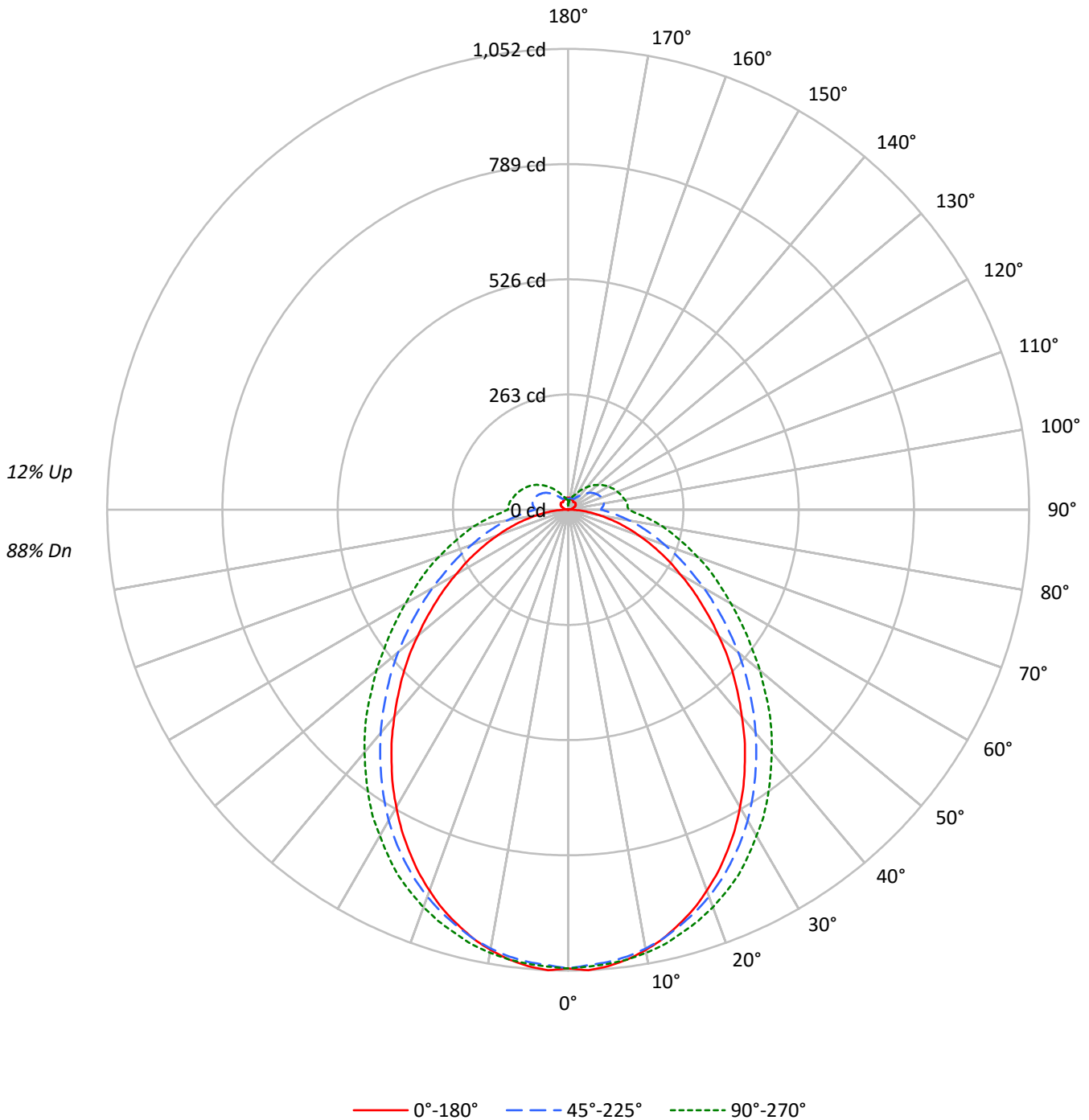
Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: RZL-WB-30L840-1D-UNV-STD-W-4

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72
2	96	88	81	75	92	85	78	73	79	74	70	74	70	66	69	66	63	60
3	88	77	69	63	84	75	67	61	70	64	59	66	60	56	61	57	54	51
4	80	68	60	53	77	66	58	52	62	56	50	59	53	48	55	50	46	44
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	40	38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	34
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5513	5513	5513
5°	5513	5389	5390
10°	5425	5264	5273
15°	5292	5103	5131
20°	5124	4929	4984
25°	4918	4719	4818
30°	4680	4491	4602
35°	4416	4224	4389
40°	4126	3949	4151
45°	3844	3664	3912
50°	3535	3387	3658
55°	3235	3103	3419
60°	2947	2834	3215
65°	2690	2594	3067
70°	2426	2374	2937
75°	2153	2214	2841
80°	1845	2079	2842
85°	1540	1988	2854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	3.2
10°-20°	278.6	9.0
20°-30°	408.5	13.3
30°-40°	467.4	15.2
40°-50°	454.3	14.7
50°-60°	386.2	12.5
60°-70°	294.3	9.6
70°-80°	199.8	6.5
80°-90°	115.7	3.8
90°-100°	82.2	2.7
100°-110°	80.3	2.6
110°-120°	70.7	2.3
120°-130°	56.0	1.8
130°-140°	39.1	1.3
140°-150°	24.3	0.8
150°-160°	13.9	0.4
160°-170°	7.6	0.2
170°-180°	2.3	0.1
0°-30°	785.9	25.5
0°-40°	1253.3	40.7
0°-60°	2093.7	68.0
0°-90°	2703.5	87.8
90°-120°	233.2	7.6
90°-150°	352.6	11.4
90°-180°	376.0	12.2
0°-180°	3079.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1046	1043	1036	1043	1041	99
15°	979	981	984	999	1000	276
25°	860	866	884	912	920	395
35°	703	715	744	782	795	439
45°	533	548	585	631	649	411
55°	369	385	429	477	497	331
65°	231	245	292	348	370	230
75°	119	135	186	240	262	127
85°	35	56	104	155	174	36
90°	0	26	75	123	138	2
95°	2	29	80	125	136	3
105°	10	34	83	120	126	10
115°	17	36	77	108	113	16
125°	21	33	67	91	98	19
135°	22	28	51	72	78	17
145°	21	26	35	52	57	13
155°	23	26	28	33	39	11
165°	26	26	26	25	29	7
175°	28	28	25	20	16	3
180°	22	22	22	22	22	



TEST NUMBER: P189033

CATALOG NUMBER: RZL-WB-30L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1047.1	1047.1	1047.1	1047.1	1047.1
2.5°	1052.4	1048.2	1040.8	1046.1	1044.0
5°	1046.1	1042.9	1036.5	1042.9	1040.8
7.5°	1035.5	1033.4	1029.1	1036.5	1035.5
10°	1020.6	1019.6	1017.5	1028.1	1027.0
12.5°	1002.6	1002.6	1002.6	1015.3	1016.4
15°	979.3	981.4	983.5	999.4	1000.5
17.5°	954.9	958.1	963.4	982.5	984.6
20°	925.3	929.5	940.1	962.3	965.5
22.5°	894.5	899.8	913.6	938.0	943.3
25°	859.5	865.9	883.9	911.5	920.0
27.5°	823.5	832.0	853.2	881.8	890.3
30°	784.3	794.9	819.3	850.0	859.5
32.5°	745.1	756.7	782.2	816.1	829.9
35°	702.7	715.4	744.0	782.2	794.9
37.5°	661.3	675.1	704.8	746.1	758.9
40°	616.8	634.9	665.6	708.0	722.8
42.5°	574.4	591.4	625.3	669.8	686.8
45°	533.1	547.9	585.0	630.6	648.6
47.5°	491.8	506.6	546.9	590.3	607.3
50°	448.3	463.2	506.6	553.2	571.3
52.5°	408.0	422.9	466.3	513.0	532.0
55°	368.8	384.7	429.2	476.9	497.1
57.5°	332.8	346.6	392.1	442.0	462.1
60°	295.7	310.5	357.2	408.0	429.2
62.5°	263.9	276.6	322.2	376.2	398.5
65°	231.0	244.8	292.5	347.6	369.9
67.5°	200.3	215.2	262.8	319.0	342.3
70°	171.7	186.5	234.2	291.5	313.7
72.5°	145.2	161.1	208.8	265.0	287.2
75°	118.7	134.6	185.5	239.5	261.8
77.5°	94.3	113.4	163.2	218.3	239.5
80°	72.1	92.2	142.0	196.1	218.3
82.5°	51.9	73.1	121.9	175.9	195.0
85°	35.0	56.2	103.9	154.7	173.8
87.5°	17.0	40.3	88.0	136.7	151.6
90°	0.0	26.5	75.2	122.9	137.8
92.5°	1.1	27.6	76.3	124.0	135.7
95°	2.1	28.6	79.5	125.1	135.7
97.5°	4.2	30.7	81.6	125.1	134.6
100°	6.4	31.8	82.7	124.0	131.4
102.5°	7.4	32.9	82.7	122.9	128.2
105°	9.5	33.9	82.7	119.8	126.1
107.5°	10.6	35.0	82.7	117.6	122.9
110°	12.7	35.0	80.5	114.5	119.8



TEST NUMBER: P189033

CATALOG NUMBER: RZL-WB-30L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.8	35.0	79.5	111.3	116.6
115°	17.0	36.0	77.4	108.1	113.4
117.5°	18.0	35.0	75.2	103.9	109.2
120°	20.1	35.0	72.1	99.6	106.0
122.5°	20.1	33.9	70.0	95.4	101.7
125°	21.2	32.9	66.8	91.1	97.5
127.5°	21.2	31.8	63.6	86.9	93.3
130°	22.3	29.7	59.4	81.6	88.0
132.5°	22.3	28.6	55.1	77.4	83.7
135°	22.3	27.6	50.9	72.1	78.4
137.5°	22.3	27.6	46.6	66.8	73.1
140°	22.3	26.5	42.4	62.5	67.8
142.5°	21.2	26.5	39.2	57.2	62.5
145°	21.2	26.5	35.0	51.9	57.2
147.5°	21.2	26.5	32.9	46.6	51.9
150°	22.3	26.5	29.7	41.3	47.7
152.5°	23.3	26.5	27.6	37.1	43.5
155°	23.3	26.5	27.6	32.9	39.2
157.5°	24.4	26.5	27.6	28.6	35.0
160°	24.4	26.5	27.6	26.5	32.9
162.5°	25.4	26.5	27.6	26.5	30.7
165°	26.5	26.5	26.5	25.4	28.6
167.5°	26.5	27.6	26.5	23.3	27.6
170°	27.6	27.6	26.5	22.3	25.4
172.5°	27.6	27.6	25.4	21.2	20.1
175°	27.6	27.6	25.4	20.1	15.9
177.5°	27.6	27.6	25.4	20.1	9.5
180°	22.3	22.3	22.3	22.3	22.3

(END OF REPORT)