

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: P189018

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189018
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-30L840-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH SOLID ALUMINUM SIDES, FROSTED LINEAR PRISMATIC LENS AND INLAY
Light Source: (112) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3186.9 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')
CIE Type: Direct

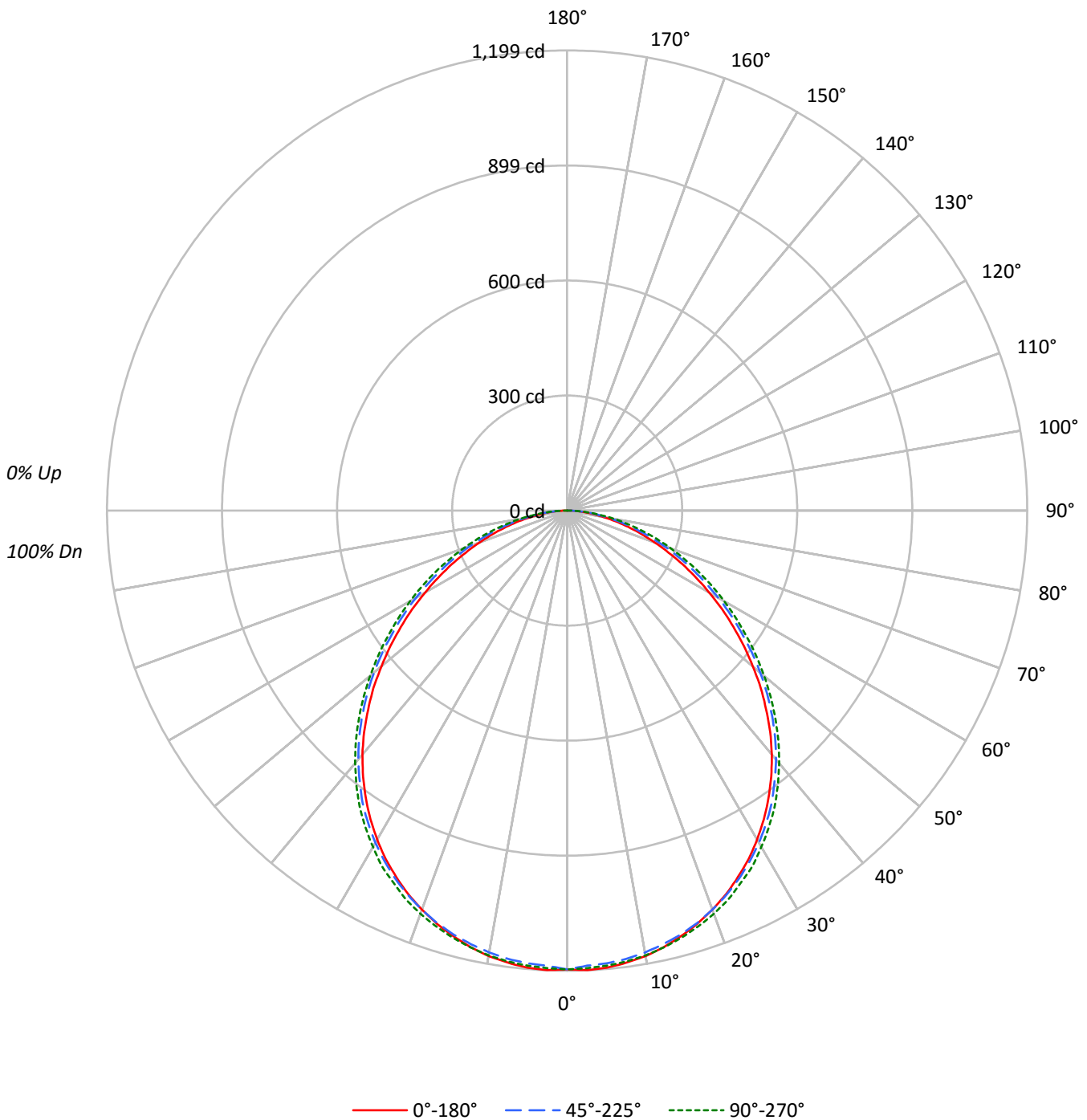
Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P189018

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

Luminous Intensity Polar Plot





TEST NUMBER: P189018

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

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°	6294	6294	6294
5°	6318	6256	6290
10°	6300	6249	6289
15°	6256	6233	6279
20°	6199	6199	6265
25°	6119	6150	6218
30°	6017	6076	6153
35°	5878	5974	6056
40°	5703	5820	5907
45°	5461	5619	5713
50°	5173	5382	5486
55°	4854	5088	5234
60°	4497	4788	4977
65°	4132	4462	4713
70°	3736	4112	4421
75°	3342	3751	4097
80°	2893	3375	3726
85°	2434	2948	3202



TEST NUMBER: P189018

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.5
10°-20°	324.1	10.2
20°-30°	489.2	15.3
30°-40°	580.6	18.2
40°-50°	580.9	18.2
50°-60°	495.0	15.5
60°-70°	353.8	11.1
70°-80°	195.3	6.1
80°-90°	54.9	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°	926.3	29.1
0°-40°	1507.0	47.3
0°-60°	2582.9	81.0
0°-90°	3186.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3186.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1195	1191	1184	1192	1190	114
15°	1148	1147	1144	1154	1152	324
25°	1053	1056	1059	1072	1070	485
35°	915	920	929	940	942	572
45°	733	743	755	767	767	566
55°	529	538	554	569	570	473
65°	332	339	358	375	378	329
75°	164	168	184	198	201	175
85°	40	42	49	53	53	47
90°	0	0	0	0	0	



TEST NUMBER: P189018

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.4	1195.4	1195.4	1195.4	1195.4
2.5°	1198.6	1194.4	1187.0	1194.4	1193.3
5°	1195.4	1191.2	1183.8	1192.3	1190.1
7.5°	1188.0	1183.8	1178.5	1185.9	1184.8
10°	1178.5	1174.2	1168.9	1178.5	1176.4
12.5°	1164.7	1162.6	1157.3	1167.9	1165.8
15°	1147.8	1146.7	1143.5	1154.1	1152.0
17.5°	1128.7	1127.6	1126.6	1138.2	1136.1
20°	1106.4	1106.4	1106.4	1118.1	1118.1
22.5°	1082.0	1082.0	1084.2	1096.9	1096.9
25°	1053.4	1055.6	1058.7	1072.5	1070.4
27.5°	1023.8	1025.9	1030.1	1045.0	1045.0
30°	989.8	993.0	999.4	1012.1	1012.1
32.5°	953.8	958.1	965.5	978.2	978.2
35°	914.6	919.9	929.4	940.0	942.2
37.5°	873.3	877.5	888.1	901.9	901.9
40°	829.8	836.2	846.8	859.5	859.5
42.5°	783.2	789.5	802.3	813.9	815.0
45°	733.4	742.9	754.6	767.3	767.3
47.5°	684.6	693.1	706.9	717.5	719.6
50°	631.6	643.3	657.1	668.7	669.8
52.5°	580.8	591.4	606.2	620.0	621.0
55°	528.8	538.4	554.3	569.1	570.2
57.5°	479.0	488.6	505.5	520.4	521.4
60°	427.1	435.6	454.7	469.5	472.7
62.5°	379.4	387.9	404.8	422.9	425.0
65°	331.7	339.1	358.2	375.2	378.3
67.5°	286.1	292.5	311.6	327.5	330.7
70°	242.7	249.1	267.1	283.0	287.2
72.5°	202.4	207.7	224.7	239.5	243.8
75°	164.3	168.5	184.4	198.2	201.4
77.5°	128.2	132.5	146.3	159.0	161.1
80°	95.4	98.6	111.3	120.8	122.9
82.5°	66.8	69.9	78.4	85.8	86.9
85°	40.3	42.4	48.8	53.0	53.0
87.5°	19.1	19.1	22.3	23.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)