

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: P189008

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189008
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-30L830-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH SOLID ALUMINUM SIDES, FROSTED LINEAR PRISMATIC LENS AND INLAY
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3007.1 lumens
Efficiency: N/A
Efficacy: 121.3 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

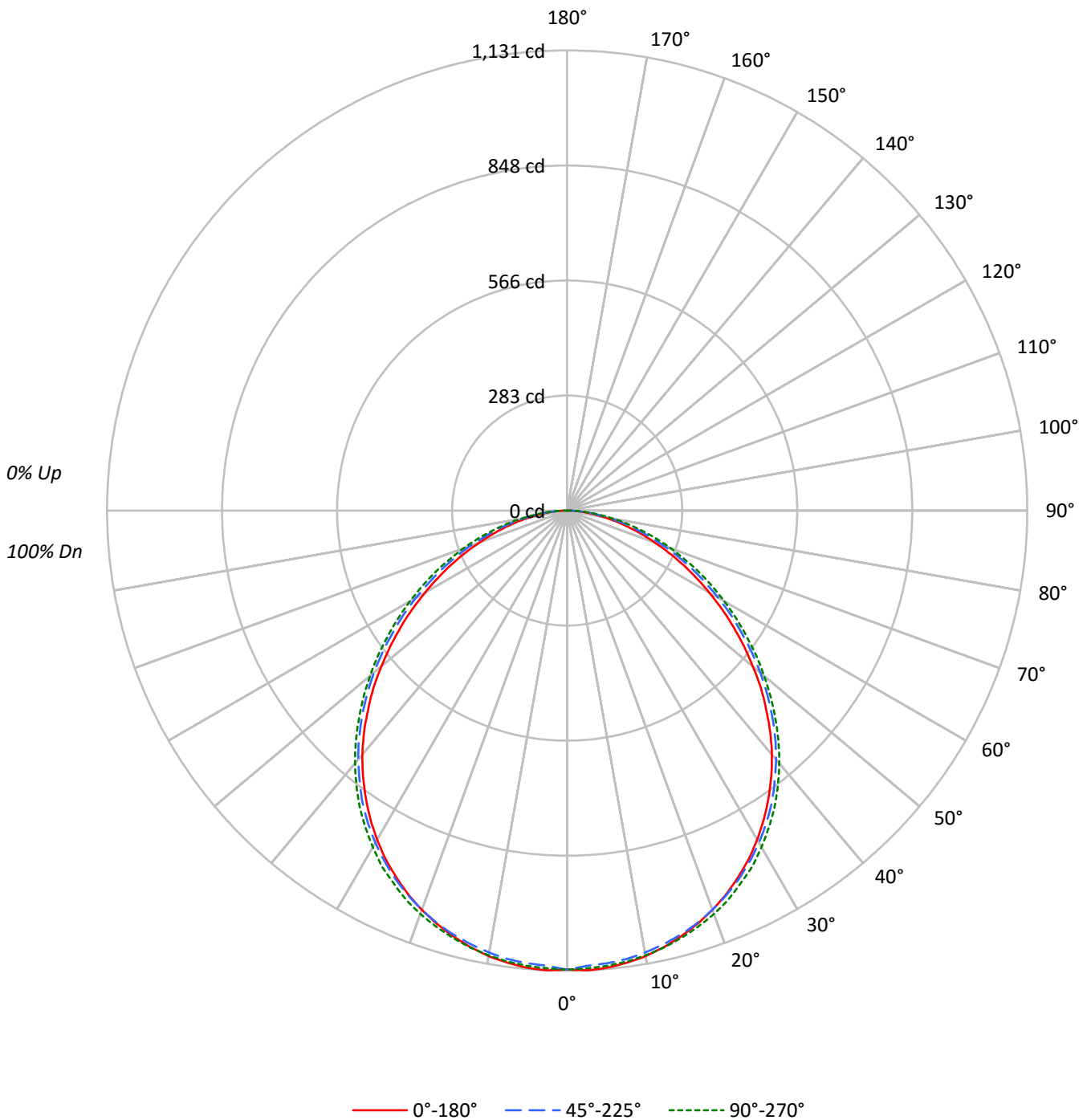
Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84				84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45				45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35				35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31				31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5939	5939	5939
5°	5962	5903	5935
10°	5945	5897	5934
15°	5903	5881	5925
20°	5849	5849	5911
25°	5774	5803	5867
30°	5678	5733	5806
35°	5547	5637	5714
40°	5381	5491	5574
45°	5152	5301	5391
50°	4882	5078	5177
55°	4580	4801	4938
60°	4244	4517	4696
65°	3899	4211	4447
70°	3525	3879	4172
75°	3153	3540	3865
80°	2729	3184	3517
85°	2296	2779	3020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	3.5
10°-20°	305.8	10.2
20°-30°	461.6	15.3
30°-40°	547.9	18.2
40°-50°	548.1	18.2
50°-60°	467.1	15.5
60°-70°	333.8	11.1
70°-80°	184.3	6.1
80°-90°	51.8	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°	874.1	29.1
0°-40°	1422.0	47.3
0°-60°	2437.1	81.0
0°-90°	3007.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3007.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1128	1124	1117	1125	1123	107
15°	1083	1082	1079	1089	1087	306
25°	994	996	999	1012	1010	458
35°	863	868	877	887	889	539
45°	692	701	712	724	724	534
55°	499	508	523	537	538	447
65°	313	320	338	354	357	311
75°	155	159	174	187	190	165
85°	38	40	46	50	50	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1128	1128	1128	1128	1128
2.5°	1131	1127	1120	1127	1126
5°	1128	1124	1117	1125	1123
7.5°	1121	1117	1112	1119	1118
10°	1112	1108	1103	1112	1110
12.5°	1099	1097	1092	1102	1100
15°	1083	1082	1079	1089	1087
17.5°	1065	1064	1063	1074	1072
20°	1044	1044	1044	1055	1055
22.5°	1021	1021	1023	1035	1035
25°	994	996	999	1012	1010
27.5°	966	968	972	986	986
30°	934	937	943	955	955
32.5°	900	904	911	923	923
35°	863	868	877	887	889
37.5°	824	828	838	851	851
40°	783	789	799	811	811
42.5°	739	745	757	768	769
45°	692	701	712	724	724
47.5°	646	654	667	677	679
50°	596	607	620	631	632
52.5°	548	558	572	585	586
55°	499	508	523	537	538
57.5°	452	461	477	491	492
60°	403	411	429	443	446
62.5°	358	366	382	399	401
65°	313	320	338	354	357
67.5°	270	276	294	309	312
70°	229	235	252	267	271
72.5°	191	196	212	226	230
75°	155	159	174	187	190
77.5°	121	125	138	150	152
80°	90	93	105	114	116
82.5°	63	66	74	81	82
85°	38	40	46	50	50
87.5°	18	18	21	22	21
90°	0	0	0	0	0

(END OF REPORT)