

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: P189063

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34815)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RZL-WF-30L840-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS  
Light Source: (112) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3119.0 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')  
CIE Type: Direct

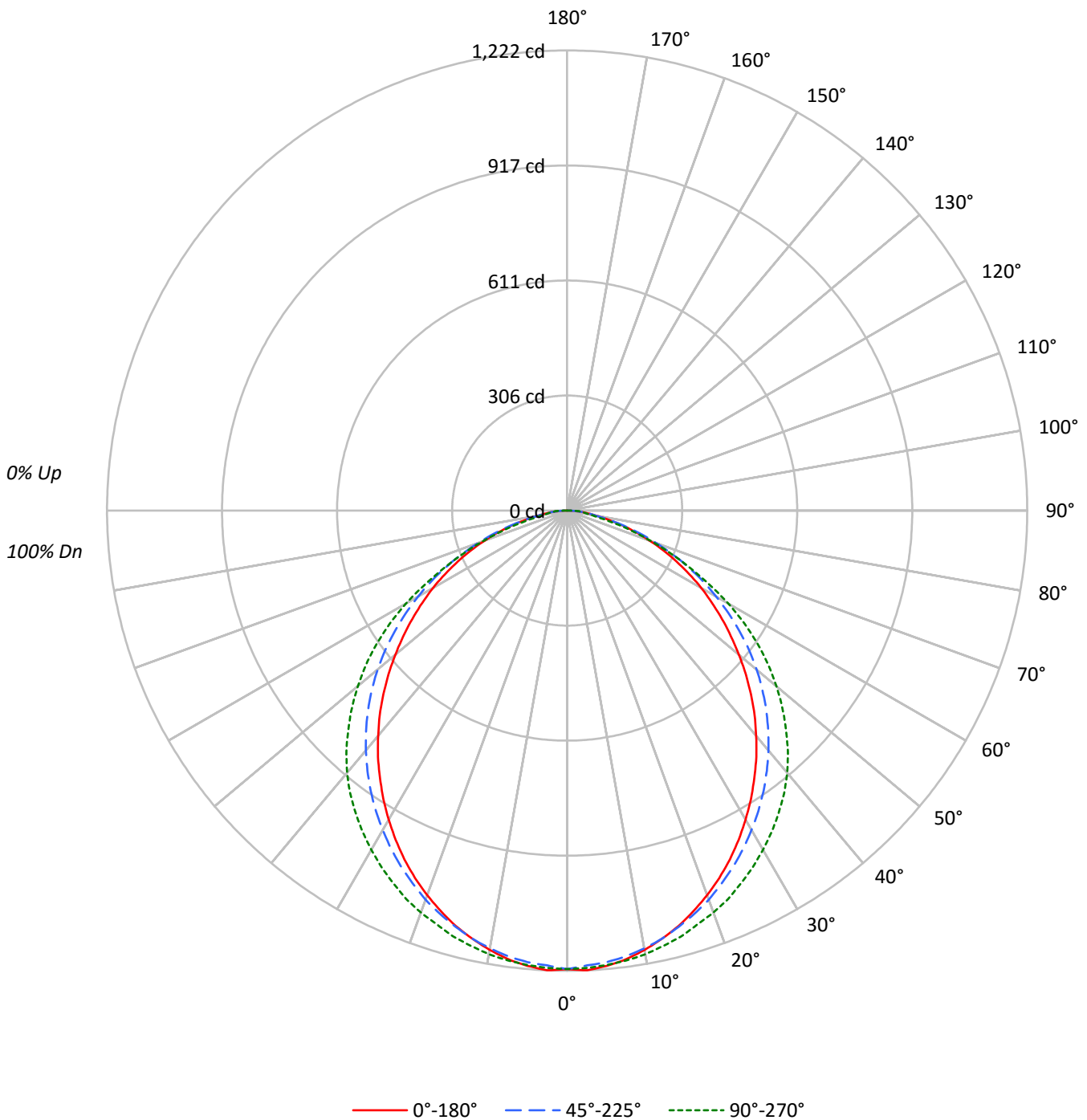
Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6411	6411	6411
5°	6413	6362	6402
10°	6334	6311	6396
15°	6225	6237	6382
20°	6089	6161	6364
25°	5937	6060	6345
30°	5760	5954	6323
35°	5571	5844	6295
40°	5365	5716	6249
45°	5139	5566	6120
50°	4878	5383	5941
55°	4607	5125	5672
60°	4334	4815	5207
65°	3988	4425	4491
70°	3585	3864	3684
75°	3072	3179	2661
80°	2386	2353	1807
85°	2054	2120	2374



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.8	3.7
10°-20°	324.8	10.4
20°-30°	484.4	15.5
30°-40°	573.1	18.4
40°-50°	579.2	18.6
50°-60°	498.8	16.0
60°-70°	344.0	11.0
70°-80°	160.2	5.1
80°-90°	39.9	1.3
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°	923.9	29.6
0°-40°	1497.0	48.0
0°-60°	2574.9	82.6
0°-90°	3119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3119.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1213	1209	1204	1213	1211	115
15°	1142	1141	1144	1166	1171	322
25°	1022	1027	1043	1079	1092	470
35°	867	878	909	955	979	542
45°	690	708	748	796	822	532
55°	502	522	558	593	618	449
65°	320	335	355	358	360	318
75°	151	158	156	139	131	161
85°	34	35	35	38	39	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1217.6	1217.6	1217.6	1217.6	1217.6
2.5°	1221.9	1216.6	1209.1	1217.6	1215.5
5°	1213.4	1209.1	1203.8	1213.4	1211.3
7.5°	1201.7	1197.4	1194.2	1205.9	1204.9
10°	1184.7	1182.5	1180.4	1195.3	1196.4
12.5°	1164.5	1163.4	1164.5	1181.5	1183.6
15°	1142.1	1141.1	1144.3	1165.5	1170.8
17.5°	1115.5	1116.6	1123.0	1146.4	1151.7
20°	1086.8	1089.0	1099.6	1127.2	1135.8
22.5°	1056.0	1059.2	1071.9	1103.9	1116.6
25°	1022.0	1027.3	1043.2	1079.4	1092.2
27.5°	985.8	992.2	1012.4	1050.7	1067.7
30°	947.5	956.0	979.4	1020.9	1040.0
32.5°	908.2	917.7	945.4	989.0	1011.3
35°	866.7	878.4	909.2	955.0	979.4
37.5°	825.2	838.0	871.0	919.9	946.5
40°	780.6	794.4	831.6	881.6	909.2
42.5°	737.0	751.9	790.1	841.2	867.8
45°	690.2	708.3	747.6	795.5	822.0
47.5°	643.4	661.5	702.9	746.5	775.2
50°	595.5	615.7	657.2	697.6	725.3
52.5°	548.7	571.1	609.4	646.6	674.2
55°	501.9	522.1	558.3	593.4	617.9
57.5°	456.2	475.4	508.3	538.1	558.3
60°	411.6	428.6	457.3	479.6	494.5
62.5°	365.8	382.8	406.2	419.0	426.4
65°	320.1	335.0	355.2	358.4	360.5
67.5°	276.5	290.3	303.1	297.8	298.8
70°	232.9	244.6	251.0	240.3	239.3
72.5°	191.4	199.9	203.1	188.2	182.9
75°	151.0	158.5	156.3	139.3	130.8
77.5°	112.7	119.1	113.8	95.7	85.1
80°	78.7	81.9	77.6	62.7	59.6
82.5°	55.3	55.3	52.1	51.0	50.0
85°	34.0	35.1	35.1	38.3	39.3
87.5°	14.9	17.0	19.1	26.6	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)