

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: G2-1808-915-2

Luminaire Tested: **R6-WL-30L835-LD5-UNV-4-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1808-915-2
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R6-WL-30L835-LD5-UNV-4-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 4'
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2977.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

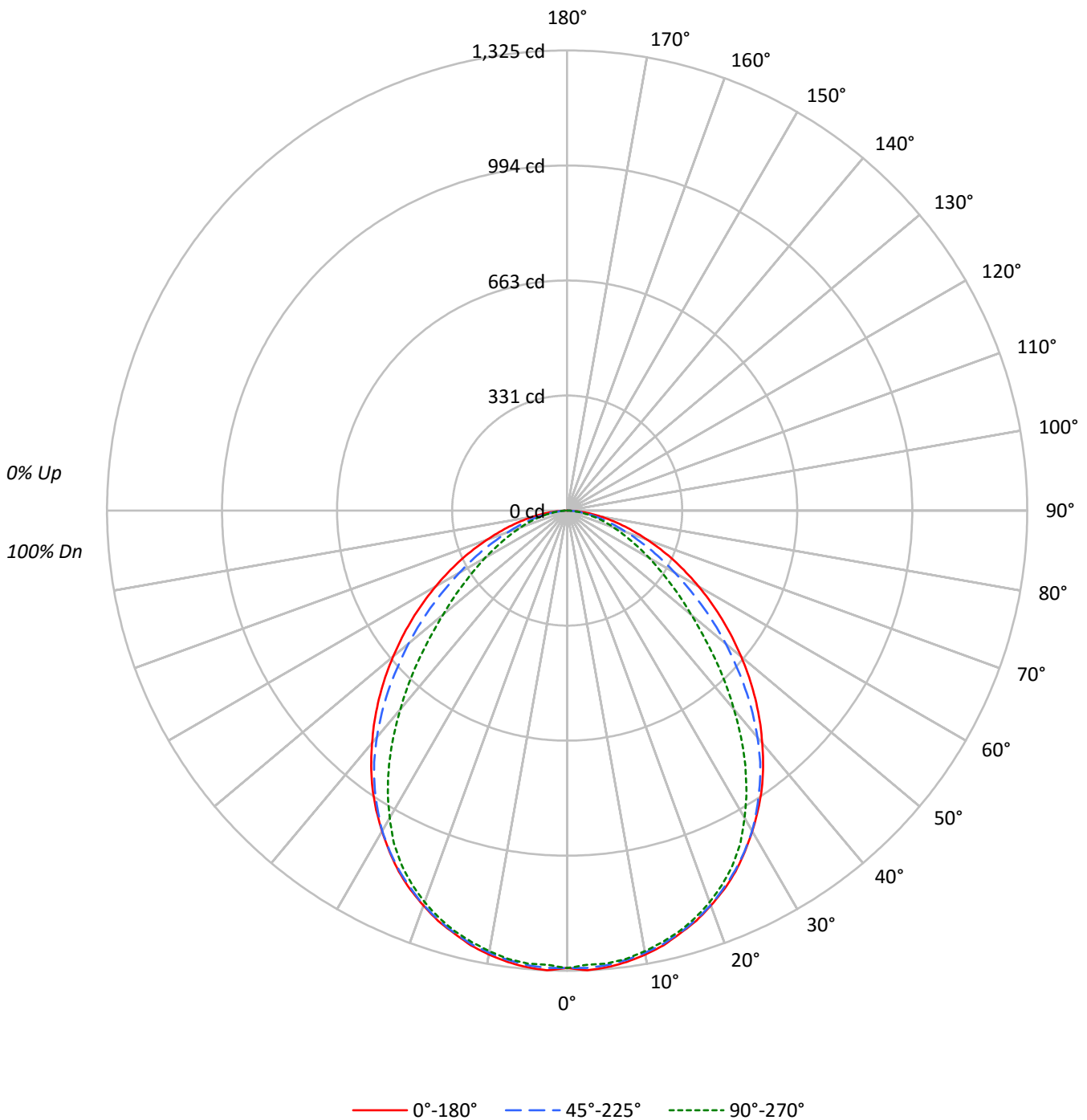
Input Watts (W): 24.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: G2-1808-915-2

CATALOG NUMBER: R6-WL-30L835-LD5-UNV-4-STD

Luminous Intensity Polar Plot





TEST NUMBER: G2-1808-915-2

CATALOG NUMBER: R6-WL-30L835-LD5-UNV-4-STD

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8506	8506	8506
5°	8558	8519	8486
10°	8512	8479	8447
15°	8425	8411	8378
20°	8316	8309	8247
25°	8174	8152	8031
30°	7950	7942	7622
35°	7703	7624	7048
40°	7368	7183	6306
45°	6996	6622	5489
50°	6571	5988	4682
55°	6125	5303	4042
60°	5645	4624	3526
65°	5165	4019	3056
70°	4626	3418	2719
75°	4117	2920	2395
80°	3608	2417	2008
85°	3038	1778	1482



TEST NUMBER: G2-1808-915-2

CATALOG NUMBER: R6-WL-30L835-LD5-UNV-4-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	4.2
10°-20°	353.5	11.9
20°-30°	522.5	17.5
30°-40°	590.6	19.8
40°-50°	541.3	18.2
50°-60°	414.3	13.9
60°-70°	266.4	8.9
70°-80°	132.5	4.5
80°-90°	32.0	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°	1000.4	33.6
0°-40°	1591.0	53.4
0°-60°	2546.6	85.5
0°-90°	2977.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2977.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1320	1307	1314	1309	1309	125
15°	1260	1249	1258	1253	1253	355
25°	1147	1136	1144	1129	1127	527
35°	977	970	967	917	894	610
45°	766	761	725	638	601	591
55°	544	537	471	388	359	487
65°	338	321	263	214	200	336
75°	165	147	117	100	96	176
85°	41	30	24	21	20	48
90°	0	0	0	0	0	



TEST NUMBER: G2-1808-915-2

CATALOG NUMBER: R6-WL-30L835-LD5-UNV-4-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1317	1317	1317	1317	1317
2.5°	1325	1311	1318	1315	1309
5°	1320	1307	1314	1309	1309
7.5°	1311	1298	1305	1301	1302
10°	1298	1286	1293	1288	1288
12.5°	1282	1269	1278	1272	1272
15°	1260	1249	1258	1253	1253
17.5°	1238	1226	1235	1229	1229
20°	1210	1200	1209	1200	1200
22.5°	1181	1170	1177	1167	1166
25°	1147	1136	1144	1129	1127
27.5°	1108	1100	1106	1087	1080
30°	1066	1059	1065	1038	1022
32.5°	1023	1016	1017	979	961
35°	977	970	967	917	894
37.5°	927	921	913	850	822
40°	874	869	852	781	748
42.5°	821	815	790	710	675
45°	766	761	725	638	601
47.5°	711	707	659	570	530
50°	654	651	596	501	466
52.5°	599	593	533	443	412
55°	544	537	471	388	359
57.5°	490	479	412	339	313
60°	437	424	358	294	273
62.5°	387	373	309	254	234
65°	338	321	263	214	200
67.5°	291	273	220	182	170
70°	245	227	181	152	144
72.5°	204	186	148	125	119
75°	165	147	117	100	96
77.5°	129	112	90	77	74
80°	97	81	65	56	54
82.5°	68	53	43	37	36
85°	41	30	24	21	20
87.5°	18	11	9	8	8
90°	0	0	0	0	0

(END OF REPORT)