

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: G2-1808-915-1

Luminaire Tested: **R6-WL-20L835-LD5-UNV-4-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1808-915-1
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R6-WL-20L835-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

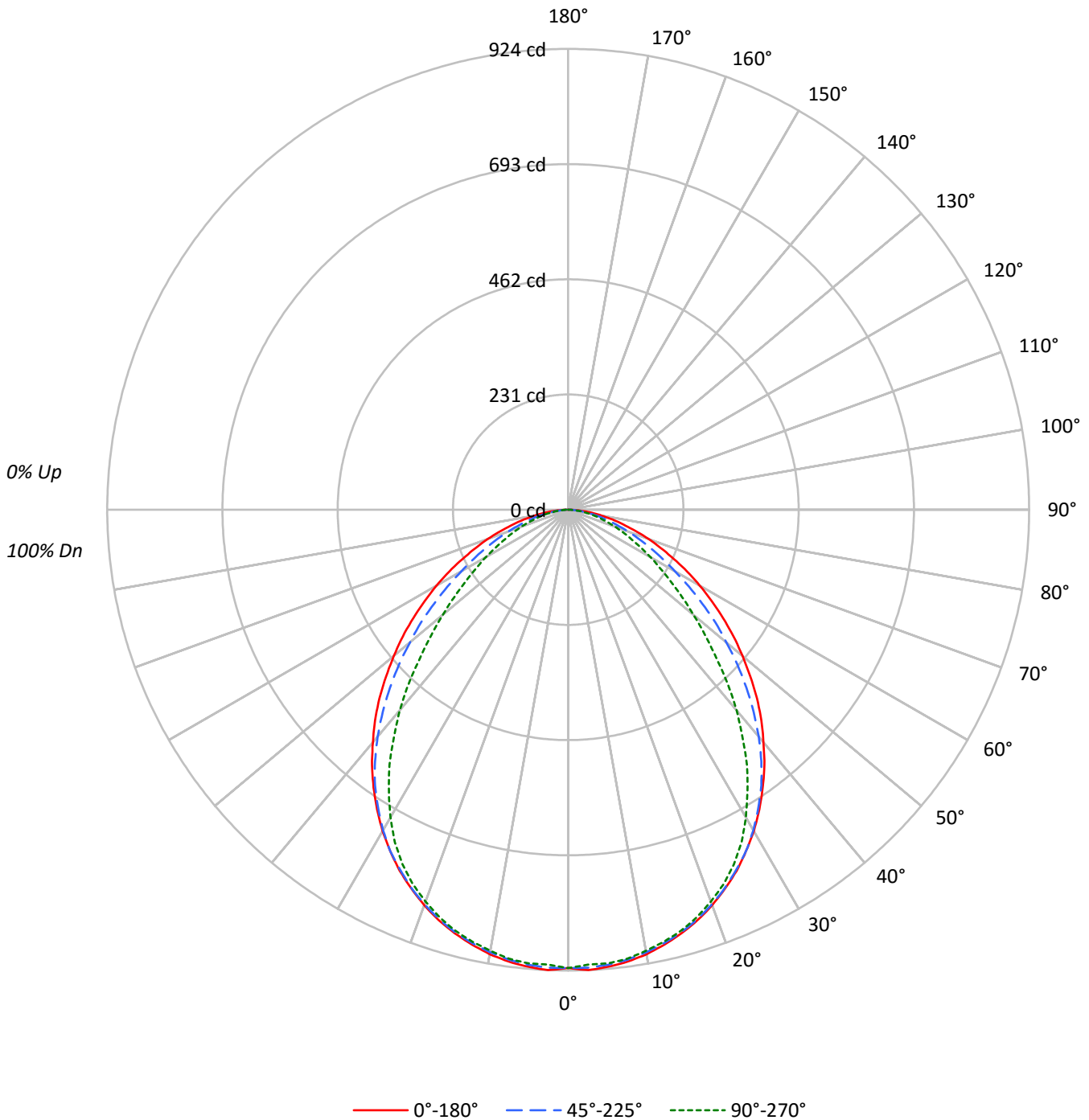
Lumens per Lamp: N/A
Luminaire Lumens: 2075.1 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.5
Input Voltage (V): 120
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86					86			
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74					74			
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64					64			
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55					55			
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49					49			
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43					43			
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38					38			
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35					35			
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31					31			
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5935	5935	5935
5°	5964	5938	5919
10°	5935	5909	5889
15°	5877	5864	5844
20°	5801	5787	5746
25°	5694	5679	5594
30°	5548	5533	5310
35°	5361	5322	4928
40°	5134	5008	4426
45°	4886	4612	3827
50°	4582	4160	3296
55°	4267	3693	2826
60°	3940	3190	2467
65°	3561	2781	2139
70°	3229	2398	1888
75°	2845	2046	1647
80°	2529	1674	1413
85°	2149	1260	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	4.2
10°-20°	246.5	11.9
20°-30°	364.1	17.5
30°-40°	411.7	19.8
40°-50°	377.6	18.2
50°-60°	288.7	13.9
60°-70°	185.0	8.9
70°-80°	92.4	4.5
80°-90°	22.5	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°	697.4	33.6
0°-40°	1109.0	53.4
0°-60°	1775.2	85.5
0°-90°	2075.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	920	911	916	913	913	87
15°	879	871	877	874	874	248
25°	799	792	797	787	785	367
35°	680	676	675	638	625	425
45°	535	532	505	445	419	412
55°	379	375	328	268	251	339
65°	233	223	182	149	140	233
75°	114	103	82	70	66	123
85°	29	21	17	15	14	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	919	919	919	919	919
2.5°	924	914	919	917	913
5°	920	911	916	913	913
7.5°	914	905	910	907	908
10°	905	896	901	898	898
12.5°	893	885	890	886	887
15°	879	871	877	874	874
17.5°	863	856	861	857	857
20°	844	837	842	836	836
22.5°	822	816	821	813	813
25°	799	792	797	787	785
27.5°	772	766	772	758	752
30°	744	738	742	723	712
32.5°	713	709	709	682	669
35°	680	676	675	638	625
37.5°	646	642	636	592	573
40°	609	606	594	544	525
42.5°	573	570	550	495	473
45°	535	532	505	445	419
47.5°	495	493	460	396	372
50°	456	453	414	349	328
52.5°	418	415	372	308	288
55°	379	375	328	268	251
57.5°	341	335	287	235	218
60°	305	297	247	202	191
62.5°	269	259	213	176	163
65°	233	223	182	149	140
67.5°	201	189	153	127	119
70°	171	158	127	106	100
72.5°	141	129	103	87	82
75°	114	103	82	70	66
77.5°	91	78	63	54	52
80°	68	56	45	40	38
82.5°	48	37	30	26	25
85°	29	21	17	15	14
87.5°	14	8	6	6	6
90°	0	0	0	0	0

(END OF REPORT)