

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: P189110

Luminaire Tested: **DRI-WS-1L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34832)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-1L30-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

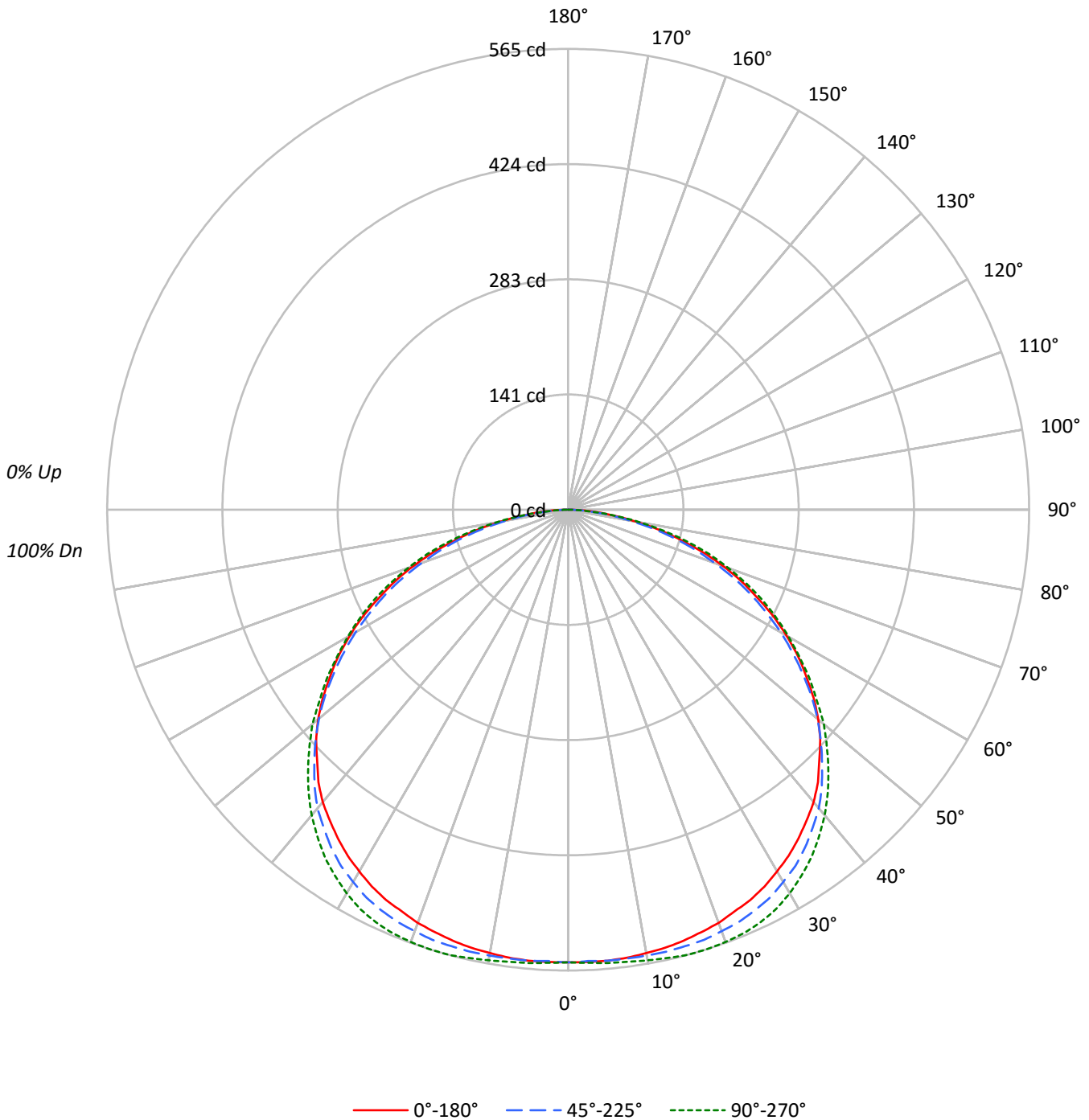
Lumens per Lamp: N/A
Luminaire Lumens: 1870.3 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 15.9
Input Voltage (V): NR
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



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1861	1861	1861
5°	1868	1868	1878
10°	1880	1890	1910
15°	1899	1923	1961
20°	1923	1963	2013
25°	1954	2005	2064
30°	1982	2040	2102
35°	2014	2071	2129
40°	2049	2092	2140
45°	2063	2087	2139
50°	2087	2081	2134
55°	2081	2052	2110
60°	2072	2019	2092
65°	2031	1968	2087
70°	1980	1873	2049
75°	1840	1749	1956
80°	1641	1487	1719
85°	1385	1116	1193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	2.8
10°-20°	157.1	8.4
20°-30°	250.2	13.4
30°-40°	316.4	16.9
40°-50°	340.8	18.2
50°-60°	316.9	16.9
60°-70°	250.2	13.4
70°-80°	148.2	7.9
80°-90°	37.5	2.0
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°	460.3	24.6
0°-40°	776.7	41.5
0°-60°	1434.4	76.7
0°-90°	1870.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1870.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	555	555	555	555	555	
5°	555	554	555	557	558	53
15°	547	549	554	562	565	155
25°	528	531	542	553	558	244
35°	492	496	506	516	520	308
45°	435	437	440	447	451	336
55°	356	352	351	356	361	319
65°	256	249	248	257	263	254
75°	142	136	135	145	151	151
85°	36	32	29	30	31	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	555	555	555	555	555
2.5°	555	555	554	555	556
5°	555	554	555	557	558
7.5°	554	554	555	557	559
10°	552	552	555	559	561
12.5°	550	551	555	560	563
15°	547	549	554	562	565
17.5°	543	546	553	561	565
20°	539	542	550	560	564
22.5°	533	537	547	557	562
25°	528	531	542	553	558
27.5°	521	525	536	547	552
30°	512	517	527	538	543
32.5°	503	507	518	528	532
35°	492	496	506	516	520
37.5°	480	484	492	501	505
40°	468	470	478	485	489
42.5°	453	454	460	468	471
45°	435	437	440	447	451
47.5°	419	418	420	427	430
50°	400	397	399	404	409
52.5°	379	375	376	380	384
55°	356	352	351	356	361
57.5°	334	329	326	332	336
60°	309	303	301	308	312
62.5°	284	277	274	282	288
65°	256	249	248	257	263
67.5°	230	223	220	228	236
70°	202	193	191	202	209
72.5°	173	165	163	175	181
75°	142	136	135	145	151
77.5°	115	106	106	116	120
80°	85	79	77	85	89
82.5°	58	54	52	55	60
85°	36	32	29	30	31
87.5°	16	13	10	8	9
90°	0	0	0	0	0

(END OF REPORT)