

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: P189078

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34824)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-1L30-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1884.3 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

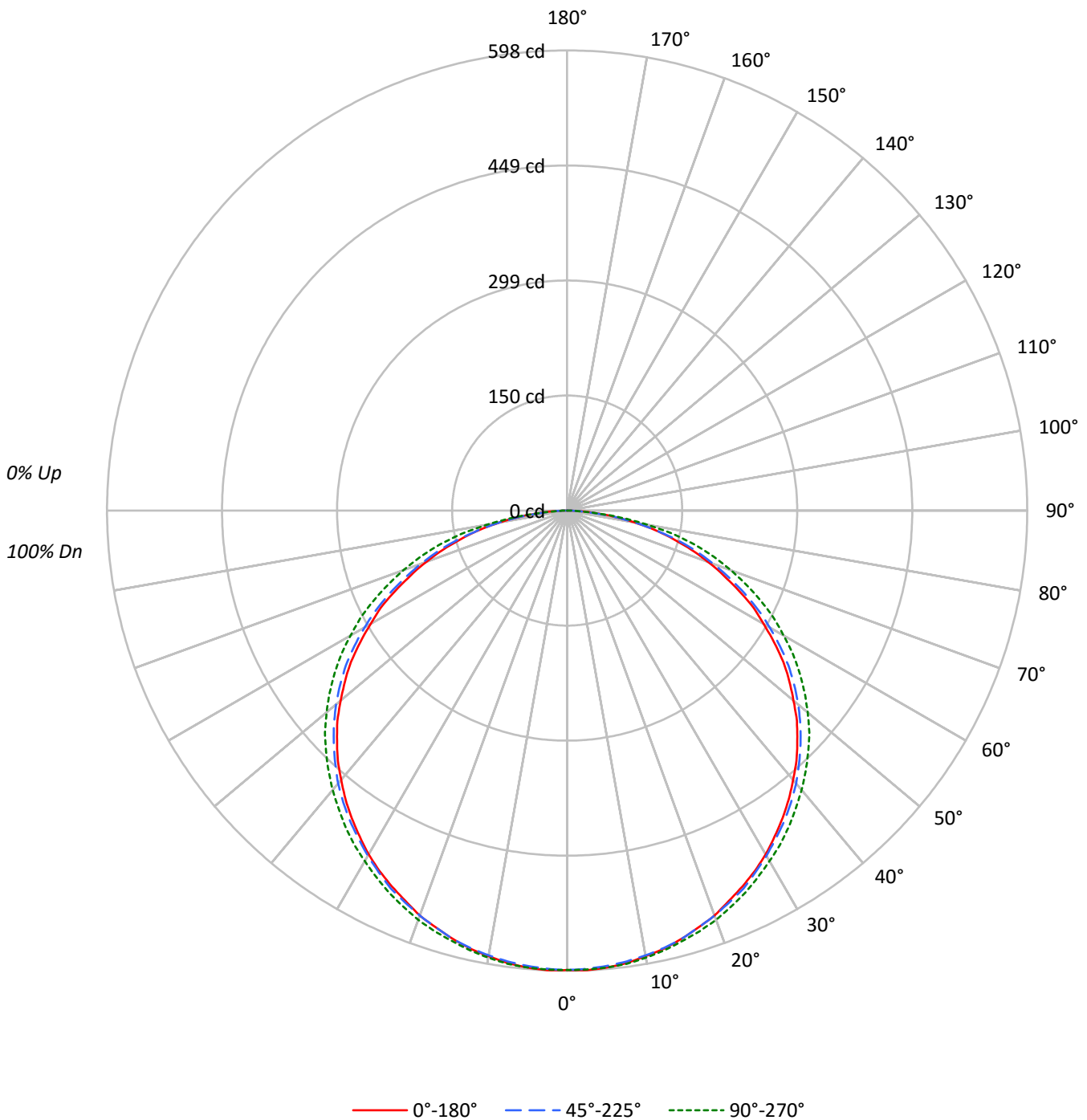
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	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	42	38	35
7	63	50	40	34	62	49	40	34	47	39	34		46	39	33		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	38	30	25	37	29	24		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2002	2002	2002
5°	2006	1999	2006
10°	2002	1999	2009
15°	2000	2000	2010
20°	1998	1998	2020
25°	1994	2005	2027
30°	1998	2006	2037
35°	1998	2014	2055
40°	2000	2027	2075
45°	2006	2034	2101
50°	2003	2045	2128
55°	2005	2052	2157
60°	1978	2039	2180
65°	1952	2015	2206
70°	1912	1980	2216
75°	1853	1917	2228
80°	1719	1738	2047
85°	1424	1270	1424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	3.0
10°-20°	162.9	8.6
20°-30°	250.1	13.3
30°-40°	309.0	16.4
40°-50°	332.6	17.6
50°-60°	315.3	16.7
60°-70°	255.2	13.5
70°-80°	160.1	8.5
80°-90°	42.5	2.3
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°	469.6	24.9
0°-40°	778.5	41.3
0°-60°	1426.4	75.7
0°-90°	1884.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1884.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	596	595	594	595	596	57
15°	576	575	576	578	579	163
25°	539	540	542	545	548	249
35°	488	489	492	498	502	305
45°	423	424	429	438	443	326
55°	343	344	351	362	369	306
65°	246	248	254	268	278	244
75°	143	143	148	162	172	151
85°	37	34	33	36	37	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597	597	597	597	597
2.5°	598	596	596	597	597
5°	596	595	594	595	596
7.5°	593	591	591	592	594
10°	588	587	587	589	590
12.5°	583	582	582	584	585
15°	576	575	576	578	579
17.5°	568	568	568	571	573
20°	560	559	560	563	566
22.5°	549	550	551	555	557
25°	539	540	542	545	548
27.5°	528	528	530	535	537
30°	516	516	518	523	526
32.5°	502	503	505	512	515
35°	488	489	492	498	502
37.5°	473	474	478	484	488
40°	457	459	463	470	474
42.5°	441	442	446	454	459
45°	423	424	429	438	443
47.5°	405	405	411	421	427
50°	384	386	392	402	408
52.5°	364	366	372	383	389
55°	343	344	351	362	369
57.5°	319	321	328	341	348
60°	295	298	304	317	325
62.5°	273	274	280	294	303
65°	246	248	254	268	278
67.5°	220	221	228	243	252
70°	195	197	202	218	226
72.5°	169	169	176	192	200
75°	143	143	148	162	172
77.5°	117	116	118	133	141
80°	89	87	90	99	106
82.5°	61	60	60	66	71
85°	37	34	33	36	37
87.5°	15	13	11	10	11
90°	0	0	0	0	0

(END OF REPORT)