

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: P189081

Luminaire Tested: **DRI-WD-4L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189081
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-4L30-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

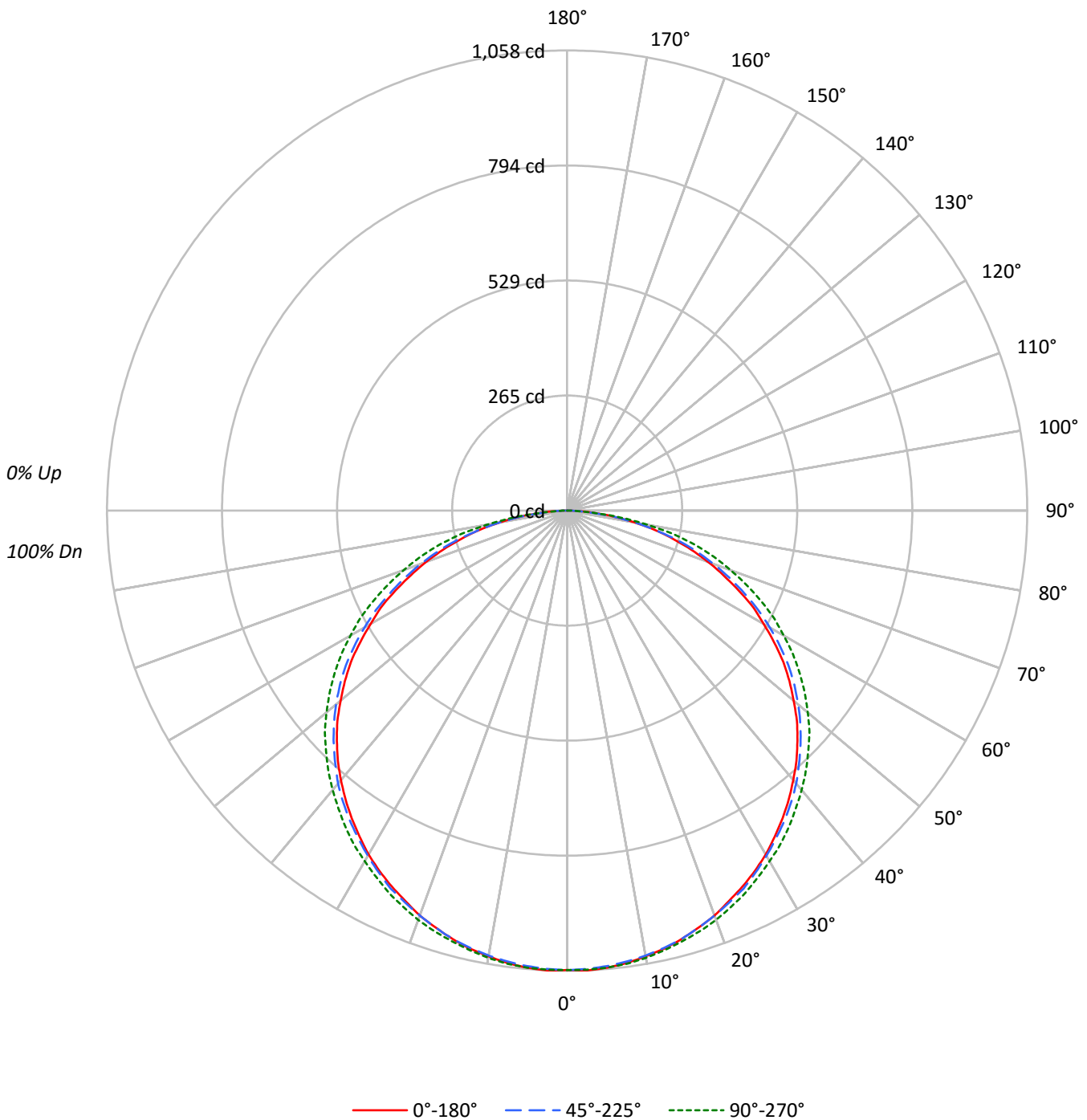
Lumens per Lamp: N/A
Luminaire Lumens: 3334.7 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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



TEST NUMBER: P189081
CATALOG NUMBER: DRI-WD-4L30-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189081

CATALOG NUMBER: DRI-WD-4L30-UNV-22-T1-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	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°	3543	3543	3543
5°	3550	3538	3550
10°	3543	3537	3555
15°	3539	3539	3557
20°	3536	3536	3574
25°	3529	3549	3588
30°	3536	3549	3604
35°	3535	3564	3637
40°	3540	3587	3672
45°	3550	3600	3718
50°	3545	3619	3766
55°	3549	3632	3817
60°	3501	3608	3857
65°	3455	3566	3904
70°	3383	3505	3922
75°	3279	3393	3944
80°	3041	3076	3623
85°	2520	2247	2520



TEST NUMBER: P189081

CATALOG NUMBER: DRI-WD-4L30-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	3.0
10°-20°	288.2	8.6
20°-30°	442.7	13.3
30°-40°	546.8	16.4
40°-50°	588.5	17.6
50°-60°	558.0	16.7
60°-70°	451.7	13.5
70°-80°	283.4	8.5
80°-90°	75.3	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°	831.0	24.9
0°-40°	1377.8	41.3
0°-60°	2524.4	75.7
0°-90°	3334.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3334.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1055	1053	1051	1053	1055	100
15°	1019	1018	1019	1023	1025	288
25°	954	956	959	964	970	440
35°	864	865	871	881	888	541
45°	749	750	759	775	784	578
55°	607	609	621	641	653	541
65°	435	439	450	474	492	431
75°	253	253	262	287	304	267
85°	66	60	58	64	66	76
90°	0	0	0	0	0	



TEST NUMBER: P189081

CATALOG NUMBER: DRI-WD-4L30-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1056.5	1056.5	1056.5	1056.5	1056.5
2.5°	1058.3	1054.8	1054.8	1056.5	1056.5
5°	1054.8	1053.0	1051.2	1053.0	1054.8
7.5°	1049.4	1045.9	1045.9	1047.7	1051.2
10°	1040.6	1038.8	1038.8	1042.4	1044.1
12.5°	1031.8	1030.0	1030.0	1033.5	1035.3
15°	1019.4	1017.6	1019.4	1022.9	1024.7
17.5°	1005.2	1005.2	1005.2	1010.5	1014.1
20°	991.0	989.3	991.0	996.4	1001.7
22.5°	971.6	973.3	975.1	982.2	985.7
25°	953.9	955.7	959.2	964.5	969.8
27.5°	934.4	934.4	938.0	946.8	950.3
30°	913.2	913.2	916.7	925.6	930.9
32.5°	888.4	890.2	893.7	906.1	911.4
35°	863.6	865.4	870.7	881.3	888.4
37.5°	837.1	838.9	845.9	856.5	863.6
40°	808.8	812.3	819.4	831.8	838.9
42.5°	780.4	782.2	789.3	803.5	812.3
45°	748.6	750.4	759.2	775.1	784.0
47.5°	716.7	716.7	727.4	745.1	755.7
50°	679.6	683.1	693.7	711.4	722.0
52.5°	644.2	647.7	658.3	677.8	688.4
55°	607.0	608.8	621.2	640.6	653.0
57.5°	564.5	568.1	580.5	603.5	615.9
60°	522.1	527.4	538.0	561.0	575.2
62.5°	483.1	484.9	495.5	520.3	536.2
65°	435.4	438.9	449.5	474.3	492.0
67.5°	389.3	391.1	403.5	430.0	446.0
70°	345.1	348.6	357.5	385.8	400.0
72.5°	299.1	299.1	311.5	339.8	353.9
75°	253.1	253.1	261.9	286.7	304.4
77.5°	207.1	205.3	208.8	235.4	249.5
80°	157.5	154.0	159.3	175.2	187.6
82.5°	108.0	106.2	106.2	116.8	125.7
85°	65.5	60.2	58.4	63.7	65.5
87.5°	26.5	23.0	19.5	17.7	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)