

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: P189087

Luminaire Tested: **DRI-WD-4L35-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189087
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-4L35-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

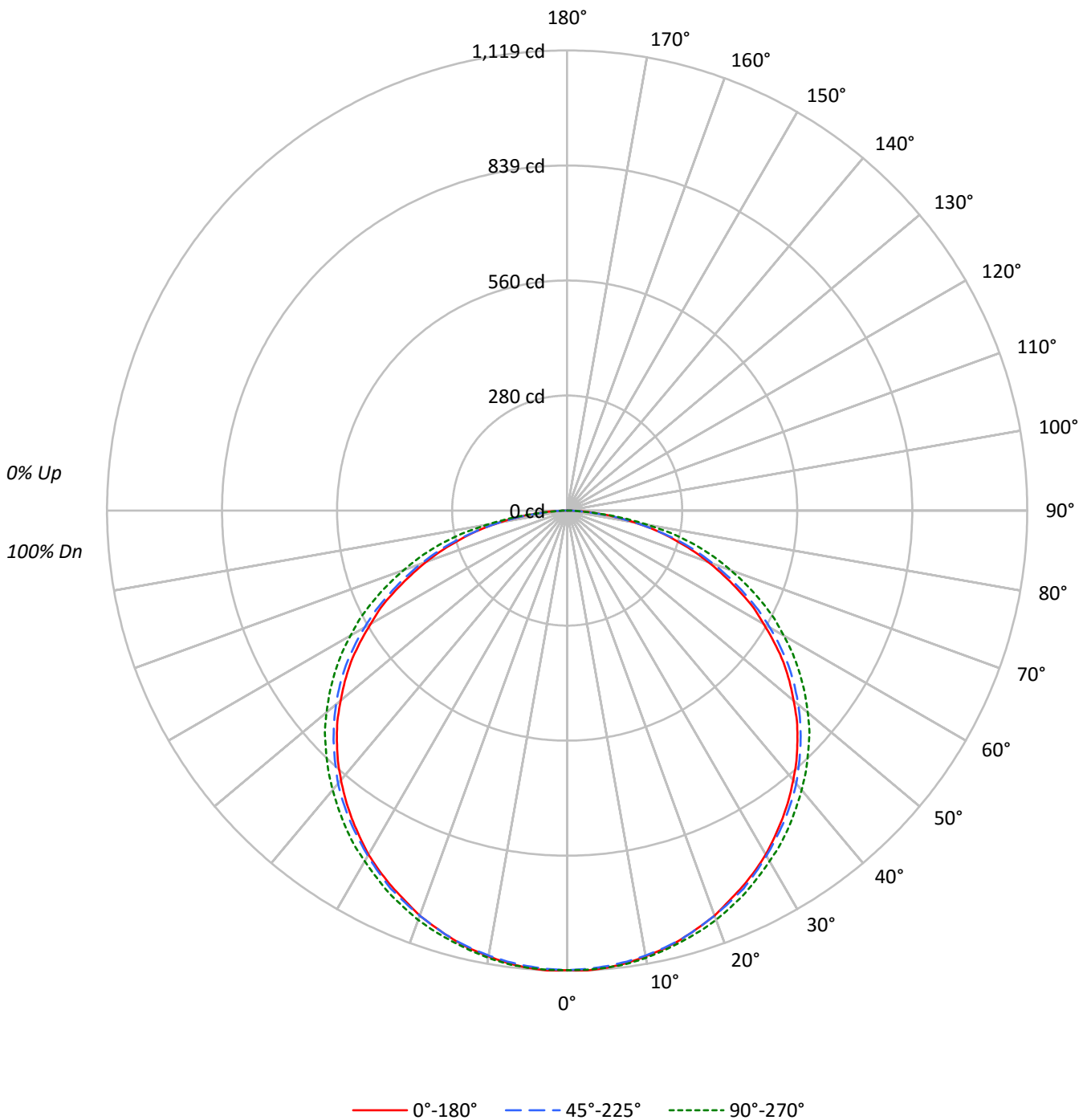
Lumens per Lamp: N/A
Luminaire Lumens: 3527.1 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

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: P189087
CATALOG NUMBER: DRI-WD-4L35-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189087

CATALOG NUMBER: DRI-WD-4L35-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°	3747	3747	3747
5°	3755	3743	3755
10°	3747	3741	3760
15°	3743	3743	3762
20°	3740	3740	3781
25°	3733	3753	3795
30°	3740	3754	3812
35°	3739	3770	3847
40°	3744	3794	3884
45°	3755	3808	3932
50°	3750	3828	3984
55°	3753	3841	4038
60°	3703	3816	4079
65°	3654	3772	4129
70°	3578	3707	4147
75°	3468	3589	4172
80°	3217	3254	3831
85°	2666	2378	2666



TEST NUMBER: P189087

CATALOG NUMBER: DRI-WD-4L35-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.0
10°-20°	304.9	8.6
20°-30°	468.2	13.3
30°-40°	578.4	16.4
40°-50°	622.5	17.6
50°-60°	590.2	16.7
60°-70°	477.7	13.5
70°-80°	299.7	8.5
80°-90°	79.6	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°	879.0	24.9
0°-40°	1457.3	41.3
0°-60°	2670.0	75.7
0°-90°	3527.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3527.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1116	1114	1112	1114	1116	106
15°	1078	1076	1078	1082	1084	304
25°	1009	1011	1014	1020	1026	465
35°	914	915	921	932	940	572
45°	792	794	803	820	829	611
55°	642	644	657	678	691	572
65°	460	464	475	502	520	456
75°	268	268	277	303	322	282
85°	69	64	62	67	69	80
90°	0	0	0	0	0	



TEST NUMBER: P189087

CATALOG NUMBER: DRI-WD-4L35-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.5	1117.5	1117.5	1117.5	1117.5
2.5°	1119.4	1115.6	1115.6	1117.5	1117.5
5°	1115.6	1113.7	1111.9	1113.7	1115.6
7.5°	1110.0	1106.3	1106.3	1108.1	1111.9
10°	1100.6	1098.8	1098.8	1102.5	1104.4
12.5°	1091.3	1089.4	1089.4	1093.2	1095.0
15°	1078.2	1076.3	1078.2	1081.9	1083.8
17.5°	1063.2	1063.2	1063.2	1068.8	1072.6
20°	1048.2	1046.4	1048.2	1053.8	1059.5
22.5°	1027.6	1029.5	1031.4	1038.9	1042.6
25°	1008.9	1010.8	1014.5	1020.2	1025.8
27.5°	988.3	988.3	992.1	1001.4	1005.2
30°	965.9	965.9	969.6	979.0	984.6
32.5°	939.7	941.5	945.3	958.4	964.0
35°	913.5	915.3	920.9	932.2	939.7
37.5°	885.4	887.3	894.7	906.0	913.5
40°	855.4	859.2	866.7	879.8	887.3
42.5°	825.5	827.4	834.8	849.8	859.2
45°	791.8	793.7	803.0	819.9	829.2
47.5°	758.1	758.1	769.3	788.0	799.3
50°	718.8	722.5	733.8	752.5	763.7
52.5°	681.3	685.1	696.3	716.9	728.1
55°	642.0	643.9	657.0	677.6	690.7
57.5°	597.1	600.9	614.0	638.3	651.4
60°	552.2	557.8	569.0	593.4	608.3
62.5°	511.0	512.9	524.1	550.3	567.2
65°	460.5	464.2	475.4	501.7	520.4
67.5°	411.8	413.7	426.8	454.9	471.7
70°	365.0	368.8	378.1	408.1	423.0
72.5°	316.3	316.3	329.4	359.4	374.4
75°	267.7	267.7	277.0	303.2	322.0
77.5°	219.0	217.1	220.9	249.0	263.9
80°	166.6	162.8	168.5	185.3	198.4
82.5°	114.2	112.3	112.3	123.5	132.9
85°	69.3	63.6	61.8	67.4	69.3
87.5°	28.1	24.3	20.6	18.7	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)