

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: P189082

Luminaire Tested: **DRI-WD-5L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189082
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-5L30-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: 3829.0 lumens
Efficiency: N/A
Efficacy: 112.9 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

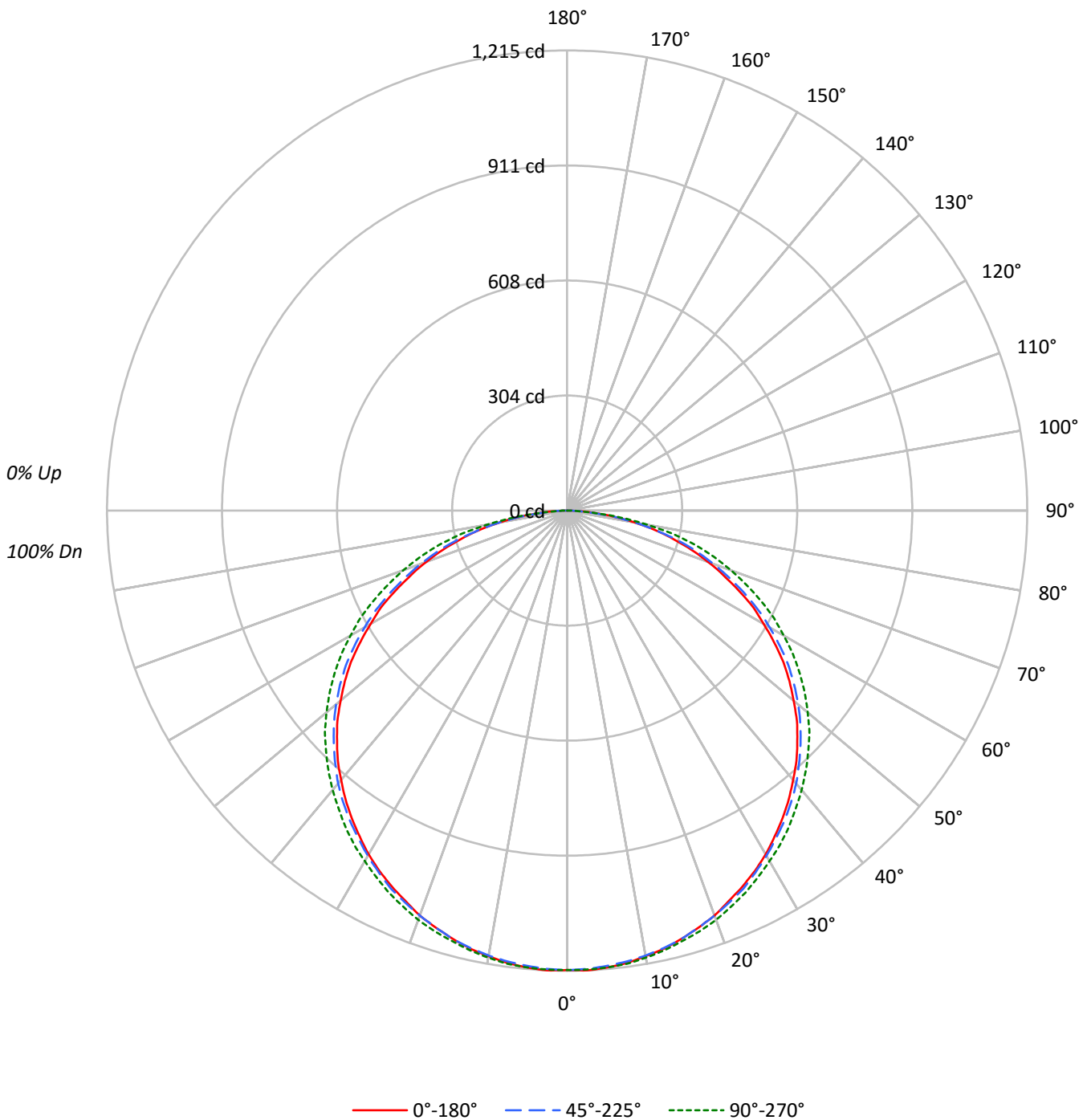
Input Watts (W): 33.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P189082

CATALOG NUMBER: DRI-WD-5L30-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189082

CATALOG NUMBER: DRI-WD-5L30-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°	4068	4068	4068
5°	4077	4063	4077
10°	4068	4061	4082
15°	4063	4063	4084
20°	4060	4060	4104
25°	4052	4075	4120
30°	4060	4076	4138
35°	4059	4093	4176
40°	4065	4118	4216
45°	4076	4134	4269
50°	4071	4156	4325
55°	4075	4169	4383
60°	4020	4143	4429
65°	3966	4095	4482
70°	3884	4025	4502
75°	3765	3896	4528
80°	3493	3532	4159
85°	2893	2582	2893



TEST NUMBER: P189082

CATALOG NUMBER: DRI-WD-5L30-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	3.0
10°-20°	330.9	8.6
20°-30°	508.3	13.3
30°-40°	627.8	16.4
40°-50°	675.8	17.6
50°-60°	640.7	16.7
60°-70°	518.6	13.5
70°-80°	325.4	8.5
80°-90°	86.5	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°	954.2	24.9
0°-40°	1582.0	41.3
0°-60°	2898.5	75.7
0°-90°	3829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1213	1213	1213	1213	1213	
5°	1211	1209	1207	1209	1211	115
15°	1170	1168	1170	1174	1176	331
25°	1095	1097	1101	1108	1114	505
35°	992	994	1000	1012	1020	621
45°	860	862	872	890	900	663
55°	697	699	713	736	750	621
65°	500	504	516	545	565	495
75°	291	291	301	329	350	306
85°	75	69	67	73	75	87
90°	0	0	0	0	0	



TEST NUMBER: P189082

CATALOG NUMBER: DRI-WD-5L30-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1213.1	1213.1	1213.1	1213.1	1213.1
2.5°	1215.2	1211.1	1211.1	1213.1	1213.1
5°	1211.1	1209.1	1207.0	1209.1	1211.1
7.5°	1205.0	1200.9	1200.9	1203.0	1207.0
10°	1194.8	1192.8	1192.8	1196.9	1198.9
12.5°	1184.7	1182.6	1182.6	1186.7	1188.7
15°	1170.4	1168.4	1170.4	1174.5	1176.5
17.5°	1154.2	1154.2	1154.2	1160.3	1164.4
20°	1137.9	1135.9	1137.9	1144.0	1150.1
22.5°	1115.6	1117.6	1119.6	1127.8	1131.8
25°	1095.3	1097.3	1101.4	1107.5	1113.5
27.5°	1072.9	1072.9	1077.0	1087.1	1091.2
30°	1048.5	1048.5	1052.6	1062.7	1068.8
32.5°	1020.1	1022.1	1026.2	1040.4	1046.5
35°	991.6	993.7	999.8	1011.9	1020.1
37.5°	961.1	963.2	971.3	983.5	991.6
40°	928.6	932.7	940.8	955.1	963.2
42.5°	896.1	898.2	906.3	922.5	932.7
45°	859.5	861.6	871.7	890.0	900.2
47.5°	823.0	823.0	835.2	855.5	867.7
50°	780.3	784.4	796.6	816.9	829.1
52.5°	739.7	743.7	755.9	778.3	790.5
55°	697.0	699.0	713.2	735.6	749.8
57.5°	648.2	652.3	666.5	692.9	707.1
60°	599.4	605.5	617.7	644.2	660.4
62.5°	554.7	556.8	569.0	597.4	615.7
65°	499.9	503.9	516.1	544.6	564.9
67.5°	447.0	449.1	463.3	493.8	512.1
70°	396.2	400.3	410.5	443.0	459.2
72.5°	343.4	343.4	357.6	390.1	406.4
75°	290.6	290.6	300.7	329.2	349.5
77.5°	237.7	235.7	239.8	270.3	286.5
80°	180.9	176.8	182.9	201.2	215.4
82.5°	124.0	121.9	121.9	134.1	144.3
85°	75.2	69.1	67.1	73.2	75.2
87.5°	30.5	26.4	22.4	20.3	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)