

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: P189079

Luminaire Tested: **DRI-WD-2L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189079
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-2L30-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: 2369.2 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

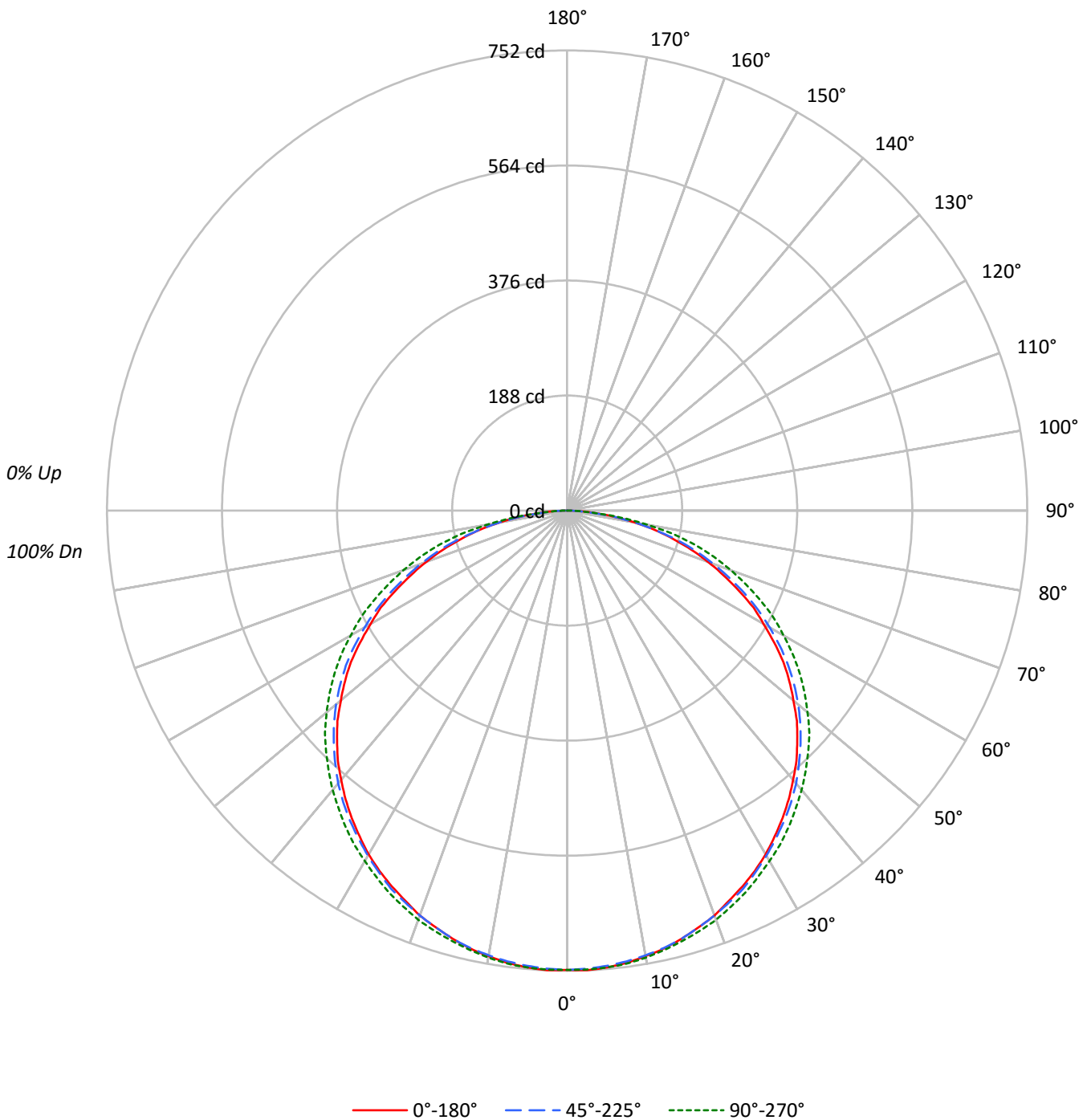
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2517	2517	2517
5°	2522	2514	2522
10°	2517	2513	2526
15°	2514	2514	2527
20°	2512	2512	2539
25°	2507	2521	2549
30°	2512	2522	2560
35°	2512	2532	2584
40°	2515	2548	2609
45°	2522	2558	2641
50°	2519	2571	2676
55°	2521	2580	2712
60°	2487	2563	2740
65°	2454	2534	2773
70°	2404	2490	2786
75°	2329	2411	2802
80°	2161	2186	2574
85°	1789	1597	1789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	3.0
10°-20°	204.8	8.6
20°-30°	314.5	13.3
30°-40°	388.5	16.4
40°-50°	418.1	17.6
50°-60°	396.4	16.7
60°-70°	320.9	13.5
70°-80°	201.3	8.5
80°-90°	53.5	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°	590.4	24.9
0°-40°	978.9	41.3
0°-60°	1793.4	75.7
0°-90°	2369.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	749	748	747	748	749	71
15°	724	723	724	727	728	205
25°	678	679	682	685	689	313
35°	614	615	619	626	631	384
45°	532	533	539	551	557	410
55°	431	432	441	455	464	384
65°	309	312	319	337	350	306
75°	180	180	186	204	216	189
85°	46	43	42	45	46	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	750.6	750.6	750.6	750.6	750.6
2.5°	751.9	749.4	749.4	750.6	750.6
5°	749.4	748.1	746.8	748.1	749.4
7.5°	745.6	743.1	743.1	744.3	746.8
10°	739.3	738.0	738.0	740.6	741.8
12.5°	733.0	731.8	731.8	734.3	735.5
15°	724.2	723.0	724.2	726.7	728.0
17.5°	714.2	714.2	714.2	717.9	720.4
20°	704.1	702.8	704.1	707.9	711.6
22.5°	690.3	691.5	692.8	697.8	700.3
25°	677.7	678.9	681.5	685.2	689.0
27.5°	663.9	663.9	666.4	672.7	675.2
30°	648.8	648.8	651.3	657.6	661.3
32.5°	631.2	632.4	634.9	643.7	647.5
35°	613.6	614.8	618.6	626.1	631.2
37.5°	594.7	596.0	601.0	608.5	613.6
40°	574.6	577.1	582.1	590.9	596.0
42.5°	554.5	555.7	560.8	570.8	577.1
45°	531.8	533.1	539.4	550.7	557.0
47.5°	509.2	509.2	516.8	529.3	536.9
50°	482.8	485.3	492.9	505.4	513.0
52.5°	457.7	460.2	467.7	481.6	489.1
55°	431.3	432.5	441.3	455.1	463.9
57.5°	401.1	403.6	412.4	428.7	437.5
60°	370.9	374.7	382.2	398.6	408.6
62.5°	343.2	344.5	352.0	369.7	381.0
65°	309.3	311.8	319.4	337.0	349.5
67.5°	276.6	277.9	286.7	305.5	316.8
70°	245.2	247.7	254.0	274.1	284.2
72.5°	212.5	212.5	221.3	241.4	251.5
75°	179.8	179.8	186.1	203.7	216.3
77.5°	147.1	145.8	148.4	167.2	177.3
80°	111.9	109.4	113.2	124.5	133.3
82.5°	76.7	75.4	75.4	83.0	89.3
85°	46.5	42.7	41.5	45.3	46.5
87.5°	18.9	16.3	13.8	12.6	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)