

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: P189101

Luminaire Tested: **DRI-WS-2L30-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34838)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-2L30-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

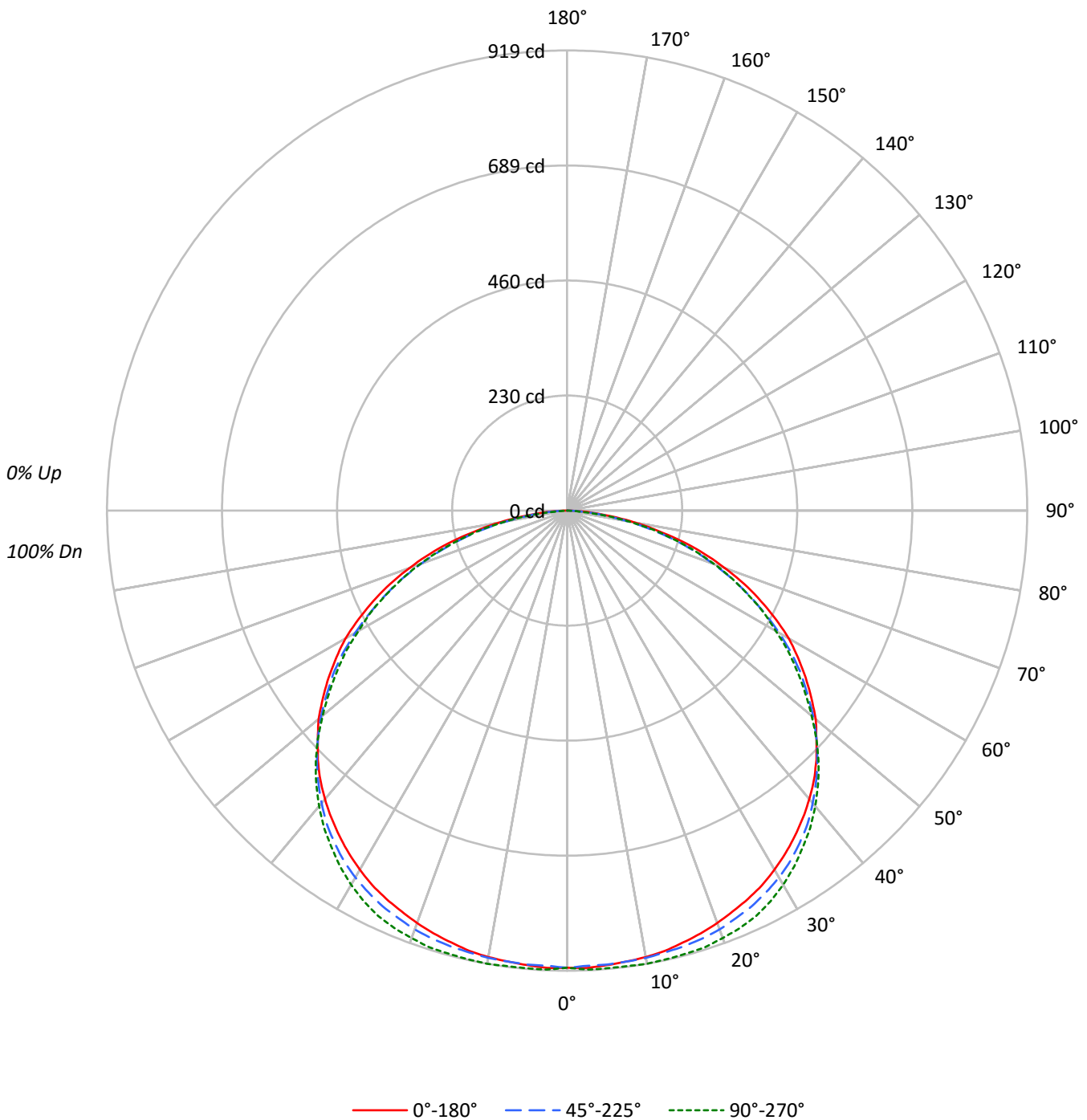
Lumens per Lamp: N/A
Luminaire Lumens: 2999.7 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
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	95	106	101	97	93	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	62	74	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52		63	56	51		60	55	50	48
5	75	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	39		51	44	38		49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34		46	39	34		44	38	34	31
8	59	45	37	31	58	45	36	30	43	36	30		42	35	30		41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		38	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2675	2675	2675
5°	2681	2676	2699
10°	2694	2698	2734
15°	2709	2733	2779
20°	2733	2776	2832
25°	2765	2819	2888
30°	2802	2863	2920
35°	2838	2897	2935
40°	2878	2918	2947
45°	2917	2930	2942
50°	2954	2926	2906
55°	2970	2916	2869
60°	2999	2866	2821
65°	2960	2782	2771
70°	2866	2659	2685
75°	2691	2451	2485
80°	2325	2043	2069
85°	1731	1425	968



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	2.9
10°-20°	255.6	8.5
20°-30°	403.0	13.4
30°-40°	506.4	16.9
40°-50°	545.5	18.2
50°-60°	510.5	17.0
60°-70°	403.7	13.5
70°-80°	234.8	7.8
80°-90°	53.0	1.8
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°	745.7	24.9
0°-40°	1252.1	41.7
0°-60°	2308.2	76.9
0°-90°	2999.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2999.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	911	913	910	916	918	87
15°	893	896	901	911	916	253
25°	855	862	872	887	893	395
35°	793	801	810	819	821	497
45°	704	707	707	708	710	543
55°	581	581	571	565	562	520
65°	427	419	401	401	400	421
75°	238	227	216	220	220	250
85°	52	47	42	35	29	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	912.9	912.9	912.9	912.9	912.9
2.5°	914.4	912.9	909.9	916.0	917.5
5°	911.4	912.9	909.9	916.0	917.5
7.5°	908.4	909.9	908.4	916.0	917.5
10°	905.4	906.9	906.9	916.0	919.0
12.5°	900.8	902.3	903.8	914.4	917.5
15°	893.2	896.3	900.8	911.4	916.0
17.5°	885.7	890.2	896.3	909.9	914.4
20°	876.6	881.1	890.2	903.8	908.4
22.5°	866.0	872.1	881.1	896.3	902.3
25°	855.4	861.5	872.1	887.2	893.2
27.5°	843.3	849.3	859.9	875.1	879.6
30°	828.1	835.7	846.3	859.9	863.0
32.5°	811.5	819.1	829.7	840.3	843.3
35°	793.3	800.9	810.0	819.1	820.6
37.5°	773.6	781.2	788.8	794.8	797.9
40°	752.4	758.5	763.0	769.1	770.6
42.5°	729.7	734.3	735.8	741.8	741.8
45°	704.0	707.0	707.0	708.5	710.1
47.5°	675.2	679.8	675.2	676.7	675.2
50°	648.0	648.0	641.9	640.4	637.4
52.5°	614.7	614.7	605.6	602.6	599.5
55°	581.4	581.4	570.8	564.7	561.7
57.5°	546.5	543.5	531.4	525.4	523.8
60°	511.7	504.2	489.0	484.5	481.4
62.5°	469.3	463.3	445.1	443.6	443.6
65°	426.9	419.4	401.2	401.2	399.7
67.5°	383.0	374.0	357.3	357.3	357.3
70°	334.6	325.5	310.4	311.9	313.4
72.5°	287.7	277.1	263.4	264.9	266.5
75°	237.7	227.1	216.5	219.5	219.5
77.5°	184.7	178.6	169.6	171.1	174.1
80°	137.8	130.2	121.1	124.1	122.6
82.5°	90.8	83.3	78.7	77.2	77.2
85°	51.5	46.9	42.4	34.8	28.8
87.5°	22.7	16.7	6.1	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)