

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: P189112

Luminaire Tested: **DRI-WS-3L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34832)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-3L30-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

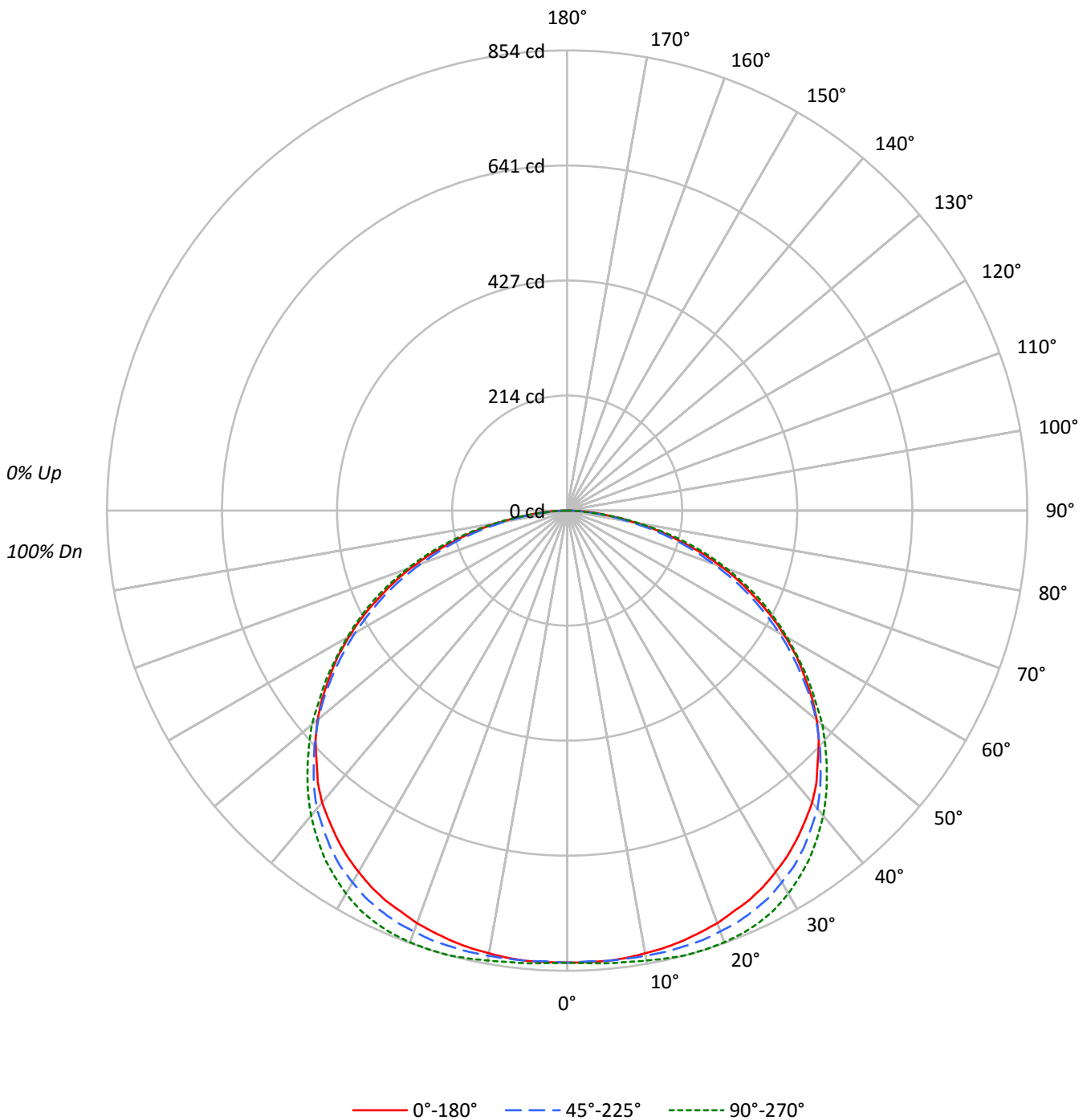
Lumens per Lamp: N/A
Luminaire Lumens: 2827.2 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
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: P189112
CATALOG NUMBER: DRI-WS-3L30-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189112

CATALOG NUMBER: DRI-WS-3L30-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	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	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	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	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	37	30	24	36	29	24	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2813	2813	2813
5°	2824	2824	2839
10°	2841	2857	2887
15°	2871	2907	2965
20°	2908	2967	3042
25°	2953	3031	3121
30°	2997	3084	3178
35°	3044	3131	3218
40°	3096	3163	3236
45°	3118	3154	3233
50°	3154	3146	3225
55°	3146	3102	3190
60°	3133	3051	3163
65°	3071	2975	3155
70°	2994	2830	3097
75°	2782	2644	2958
80°	2481	2248	2597
85°	2093	1685	1804



TEST NUMBER: P189112

CATALOG NUMBER: DRI-WS-3L30-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	2.8
10°-20°	237.5	8.4
20°-30°	378.2	13.4
30°-40°	478.3	16.9
40°-50°	515.2	18.2
50°-60°	479.0	16.9
60°-70°	378.2	13.4
70°-80°	224.0	7.9
80°-90°	56.7	2.0
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°	695.8	24.6
0°-40°	1174.1	41.5
0°-60°	2168.3	76.7
0°-90°	2827.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2827.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	839	837	839	842	844	80
15°	827	830	837	850	854	234
25°	798	803	819	836	844	368
35°	744	750	765	780	786	466
45°	658	661	665	676	682	508
55°	538	532	531	538	546	481
65°	387	376	375	388	398	384
75°	215	206	204	219	228	229
85°	54	48	44	45	47	63
90°	0	0	0	0	0	



TEST NUMBER: P189112

CATALOG NUMBER: DRI-WS-3L30-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.0	839.0	839.0	839.0	839.0
2.5°	839.0	839.0	837.4	839.0	840.5
5°	839.0	837.4	839.0	842.0	843.5
7.5°	837.4	837.4	839.0	842.0	845.0
10°	834.4	834.4	839.0	845.0	848.0
12.5°	831.4	832.9	839.0	846.5	851.1
15°	826.9	829.9	837.4	849.5	854.1
17.5°	820.8	825.4	835.9	848.0	854.1
20°	814.8	819.3	831.4	846.5	852.6
22.5°	805.7	811.7	826.9	842.0	849.5
25°	798.1	802.7	819.3	835.9	843.5
27.5°	787.6	793.6	810.2	826.9	834.4
30°	774.0	781.5	796.6	813.3	820.8
32.5°	760.4	766.4	783.0	798.1	804.2
35°	743.7	749.8	764.9	780.0	786.1
37.5°	725.6	731.6	743.7	757.3	763.4
40°	707.4	710.5	722.6	733.1	739.2
42.5°	684.8	686.3	695.4	707.4	712.0
45°	657.6	660.6	665.1	675.7	681.7
47.5°	633.4	631.9	634.9	645.5	650.0
50°	604.7	600.1	603.1	610.7	618.3
52.5°	572.9	566.9	568.4	574.4	580.5
55°	538.1	532.1	530.6	538.1	545.7
57.5°	504.9	497.3	492.8	501.9	507.9
60°	467.1	458.0	455.0	465.6	471.6
62.5°	429.3	418.7	414.2	426.3	435.4
65°	387.0	376.4	374.9	388.5	397.6
67.5°	347.7	337.1	332.6	344.7	356.7
70°	305.4	291.7	288.7	305.4	315.9
72.5°	261.5	249.4	246.4	264.5	273.6
75°	214.7	205.6	204.1	219.2	228.3
77.5°	173.8	160.2	160.2	175.3	181.4
80°	128.5	119.4	116.4	128.5	134.5
82.5°	87.7	81.6	78.6	83.1	90.7
85°	54.4	48.4	43.8	45.3	46.9
87.5°	24.2	19.7	15.1	12.1	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)