

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: P213045

Luminaire Tested: **DSI-WS-30L835-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35731)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DSI-WS-30L835-1D-UNV-4-STD-SC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream SPECULAR OPTIC WITH SOLID COVER, LIGHT LEVEL 2.
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914.4 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.4 / 1.49
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

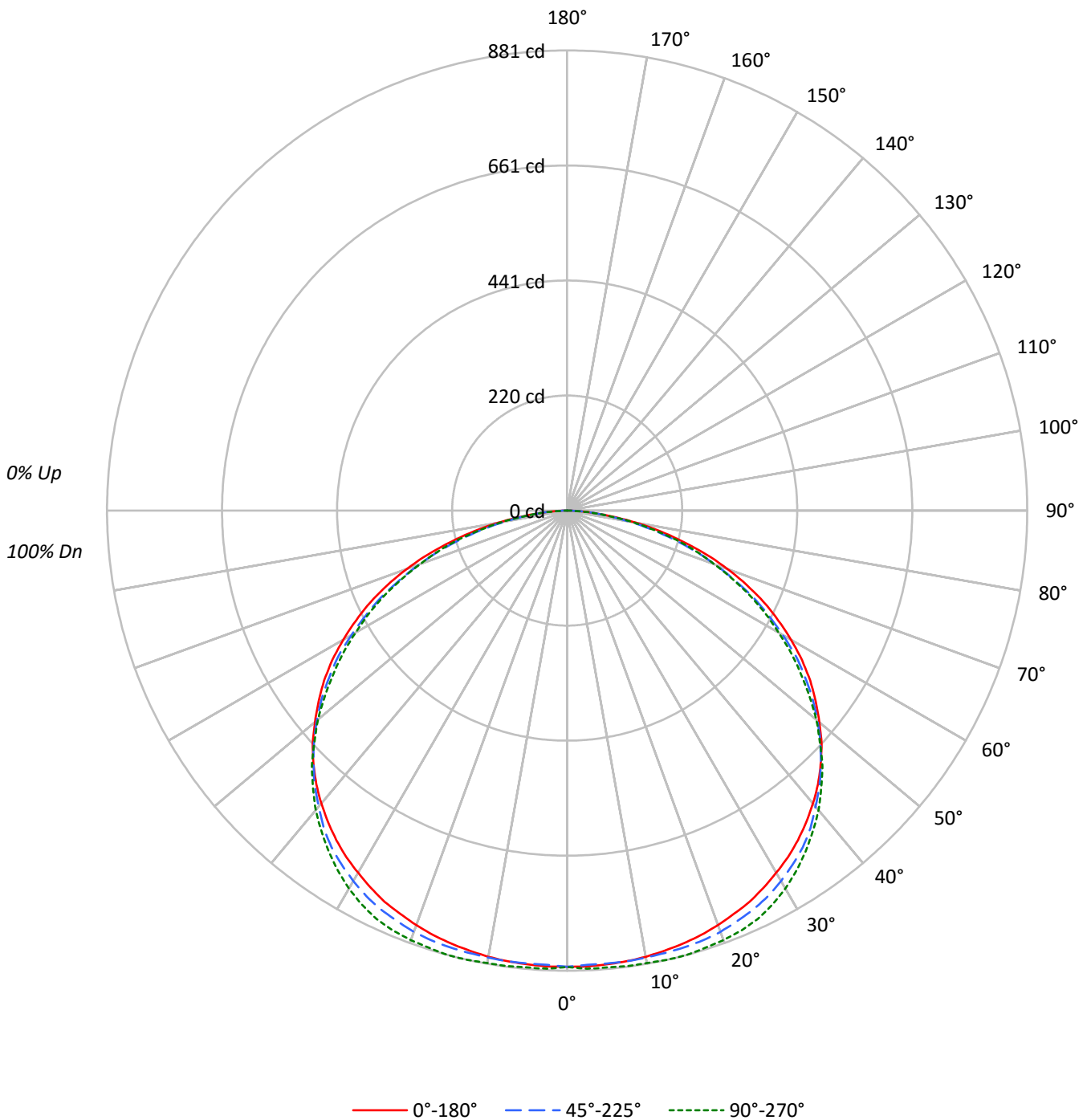
Input Watts (W): 22.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P213045

CATALOG NUMBER: DSI-WS-30L835-1D-UNV-4-STD-SC-W

Luminous Intensity Polar Plot





TEST NUMBER: P213045

CATALOG NUMBER: DSI-WS-30L835-1D-UNV-4-STD-SC-W

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	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	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	50	43	38	49	43	38	36
7	64	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°	2943	2943	2943
5°	2949	2944	2970
10°	2968	2973	3010
15°	2994	3021	3074
20°	3029	3078	3138
25°	3072	3135	3208
30°	3115	3186	3251
35°	3168	3237	3274
40°	3221	3254	3294
45°	3272	3272	3294
50°	3305	3281	3265
55°	3337	3266	3213
60°	3337	3215	3153
65°	3318	3137	3089
70°	3218	2963	2949
75°	2987	2709	2808
80°	2594	2329	2447
85°	1879	1821	1879



TEST NUMBER: P213045

CATALOG NUMBER: DSI-WS-30L835-1D-UNV-4-STD-SC-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	2.9
10°-20°	245.7	8.4
20°-30°	389.4	13.4
30°-40°	491.2	16.9
40°-50°	530.6	18.2
50°-60°	497.6	17.1
60°-70°	391.9	13.4
70°-80°	228.1	7.8
80°-90°	56.6	1.9
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°	718.5	24.7
0°-40°	1209.6	41.5
0°-60°	2237.8	76.8
0°-90°	2914.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	872	874	870	876	878	83
15°	858	861	866	876	881	243
25°	826	832	843	857	863	381
35°	770	776	787	794	796	482
45°	687	688	687	690	691	529
55°	568	567	556	550	547	507
65°	416	409	393	389	387	410
75°	229	222	208	213	216	243
85°	49	49	47	49	49	61
90°	0	0	0	0	0	



TEST NUMBER: P213045

CATALOG NUMBER: DSI-WS-30L835-1D-UNV-4-STD-SC-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.5	873.5	873.5	873.5	873.5
2.5°	873.5	873.5	870.4	875.0	878.0
5°	872.0	873.5	870.4	876.5	878.0
7.5°	870.4	870.4	870.4	876.5	879.6
10°	867.4	868.9	868.9	878.0	879.6
12.5°	862.9	865.9	867.4	876.5	881.1
15°	858.3	861.3	865.9	876.5	881.1
17.5°	852.2	856.8	862.9	875.0	878.0
20°	844.6	849.2	858.3	872.0	875.0
22.5°	835.5	843.1	850.7	864.4	870.4
25°	826.4	832.5	843.1	856.8	862.9
27.5°	814.2	821.8	832.5	844.6	850.7
30°	800.6	809.7	818.8	832.5	835.5
32.5°	786.9	794.5	803.6	814.2	817.3
35°	770.2	776.3	786.9	794.5	796.0
37.5°	752.0	758.0	765.6	771.7	773.2
40°	732.2	736.8	739.8	745.9	748.9
42.5°	710.9	714.0	715.5	718.5	720.1
45°	686.6	688.2	686.6	689.7	691.2
47.5°	660.8	660.8	657.8	657.8	656.3
50°	630.4	630.4	625.9	622.8	622.8
52.5°	600.0	600.0	592.5	587.9	584.9
55°	568.1	566.6	556.0	549.9	546.9
57.5°	533.2	530.2	519.5	510.4	508.9
60°	495.2	490.7	477.0	470.9	467.9
62.5°	455.7	449.7	434.5	429.9	428.4
65°	416.2	408.6	393.4	388.9	387.4
67.5°	372.2	363.1	346.4	343.3	343.3
70°	326.6	316.0	300.8	300.8	299.3
72.5°	279.5	270.4	255.2	258.2	258.2
75°	229.4	221.8	208.1	212.7	215.7
77.5°	182.3	170.1	164.1	168.6	168.6
80°	133.7	126.1	120.0	121.5	126.1
82.5°	86.6	83.6	80.5	82.0	82.0
85°	48.6	48.6	47.1	48.6	48.6
87.5°	21.3	21.3	15.2	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)