

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: P183727

Luminaire Tested: **I2-WS-2L35-1D-UNV-4-STD-DM8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27048)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I2-WS-2L35-1D-UNV-4-STD-DM8
Description: CORELITE IRIDIUM SUSPENDED DIRECT-INDIRECT LED LUMINAIRE, 4 FOOT.
WaveStream WITH FROSTED LENS. 70% UP / 30% DOWN.
Light Source: (336)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3567.2 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.18 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.58' x H: 0.21')
CIE Type: Semi-Indirect

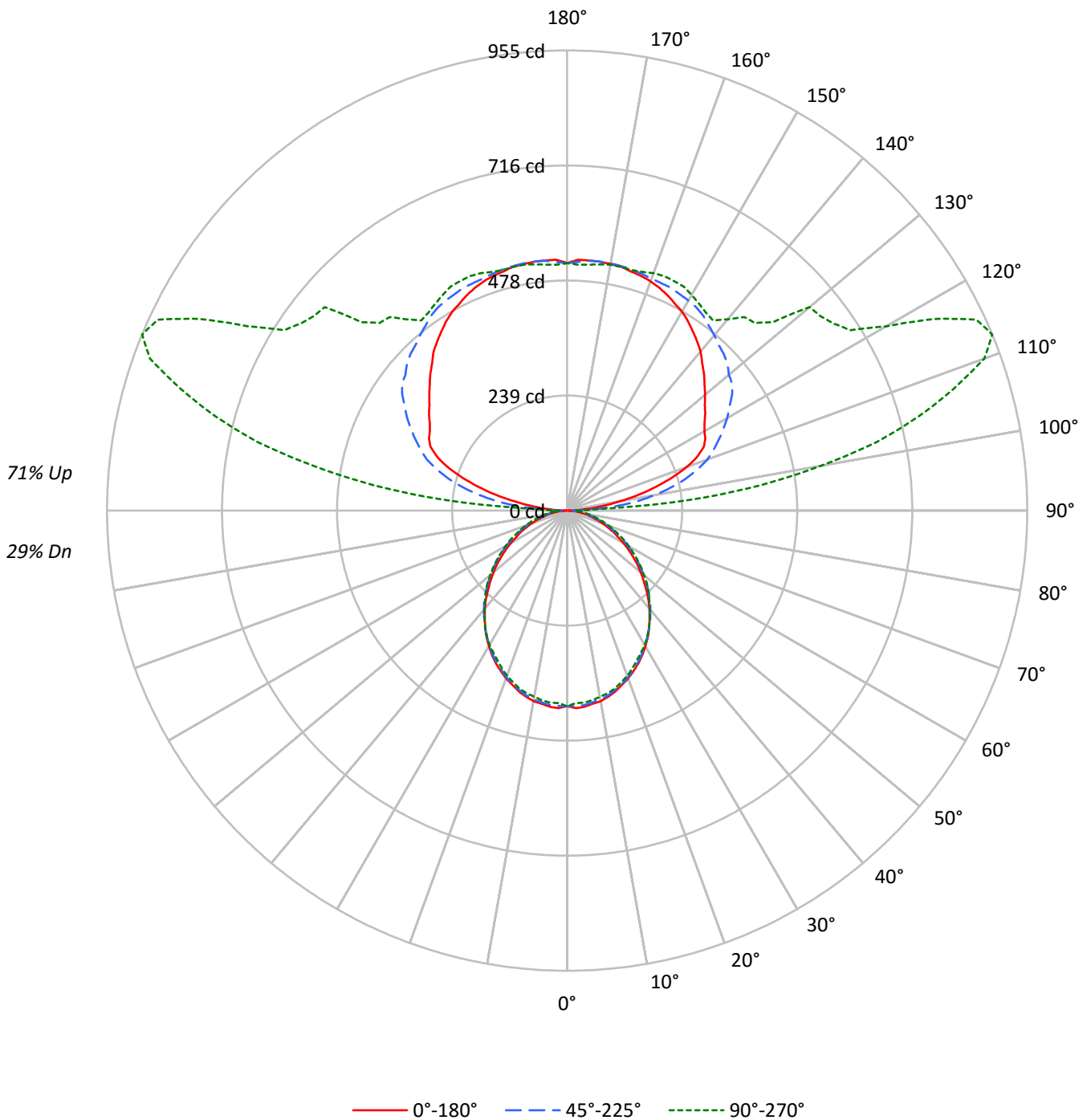
Input Watts (W): 35.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	85	82	83	80	77	74	63	60	59	47	46	44	32	32	31	24
2	85	78	72	67	76	70	65	60	55	51	48	41	39	37	29	27	26	20
3	77	68	61	55	69	61	55	50	48	44	41	36	34	31	25	24	22	17
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	23	21	19	15
5	65	53	46	40	58	48	41	36	38	33	30	29	26	23	20	18	17	13
6	59	48	40	34	53	43	36	32	34	29	26	26	23	20	18	16	15	11
7	55	43	35	30	49	39	32	28	31	26	23	24	20	18	17	15	13	10
8	51	39	32	26	45	35	29	24	28	23	20	22	18	16	15	13	12	9
9	47	35	28	23	42	32	26	21	26	21	18	20	17	14	14	12	10	8
10	44	32	25	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3251	3251	3251
5°	3271	3139	3067
10°	3233	3011	2909
15°	3170	2862	2760
20°	3093	2711	2585
25°	3010	2555	2404
30°	2906	2391	2254
35°	2788	2220	2089
40°	2649	2059	1905
45°	2481	1889	1730
50°	2323	1697	1560
55°	2151	1515	1379
60°	1955	1323	1205
65°	1792	1123	1022
70°	1579	939	862
75°	1389	733	684
80°	1128	541	509
85°	817	364	369



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	1.1
10°-20°	108.3	3.0
20°-30°	159.3	4.5
30°-40°	185.1	5.2
40°-50°	182.5	5.1
50°-60°	155.7	4.4
60°-70°	113.4	3.2
70°-80°	66.2	1.9
80°-90°	26.3	0.7
90°-100°	140.3	3.9
100°-110°	395.8	11.1
110°-120°	476.1	13.3
120°-130°	423.1	11.9
130°-140°	363.1	10.2
140°-150°	303.6	8.5
150°-160°	234.5	6.6
160°-170°	146.2	4.1
170°-180°	49.5	1.4
0°-30°	306.0	8.6
0°-40°	491.1	13.8
0°-60°	829.2	23.2
0°-90°	1035.1	29.0
90°-120°	1012.1	28.4
90°-150°	2101.9	58.9
90°-180°	2532.0	71.0
0°-180°	3567.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	406	406	406	406	406	
5°	409	404	405	403	400	39
15°	388	385	385	384	382	109
25°	350	346	348	344	342	161
35°	297	294	296	298	297	185
45°	232	233	239	238	238	179
55°	167	171	176	177	177	149
65°	106	111	114	118	118	105
75°	55	59	62	66	68	58
85°	15	20	24	28	30	15
90°	2	8	13	16	16	4
95°	44	53	100	223	260	51
105°	190	196	255	607	756	200
115°	313	313	347	671	937	304
125°	350	376	418	585	676	313
135°	402	419	460	512	550	310
145°	455	464	493	499	502	285
155°	493	492	510	520	525	227
165°	514	514	518	516	517	145
175°	521	520	520	517	512	50
180°	514	514	514	514	514	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
0°	405.9	405.9	405.9	405.9	405.9	405.9	405.9	405.9	405.9	405.9
2.5°	410.3	407.4	405.9	404.4	404.4	407.4	405.9	404.4	401.5	400.0
5°	408.8	405.9	404.4	402.9	404.4	405.9	404.4	402.9	401.5	400.0
7.5°	404.4	402.9	400.0	400.0	400.0	402.9	400.0	400.0	398.5	397.0
10°	401.5	398.5	397.0	397.0	397.0	400.0	397.0	395.6	394.1	392.6
12.5°	395.6	392.6	391.1	391.1	391.1	394.1	391.1	389.6	388.2	388.2
15°	388.2	386.7	385.2	383.7	383.7	386.7	385.2	383.7	382.3	382.3
17.5°	379.3	377.8	376.4	376.4	376.4	379.3	376.4	374.9	373.4	373.4
20°	370.5	369.0	367.5	367.5	367.5	369.0	367.5	366.0	364.6	364.6
22.5°	360.1	358.7	357.2	357.2	357.2	358.7	357.2	354.2	354.2	354.2
25°	349.8	348.3	346.8	345.4	346.8	348.3	345.4	343.9	342.4	342.4
27.5°	338.0	336.5	335.0	333.6	335.0	336.5	335.0	332.1	332.1	332.1
30°	324.7	323.2	321.8	321.8	323.2	323.2	321.8	321.8	321.8	321.8
32.5°	311.4	309.9	308.5	308.5	309.9	309.9	311.4	311.4	309.9	309.9
35°	296.7	295.2	293.7	293.7	295.2	296.7	298.1	298.1	298.1	296.7
37.5°	280.4	280.4	279.0	279.0	281.9	284.9	284.9	283.4	283.4	281.9
40°	265.7	264.2	264.2	264.2	267.1	270.1	270.1	268.6	267.1	267.1
42.5°	249.4	249.4	249.4	249.4	253.9	255.3	253.9	253.9	252.4	252.4
45°	231.7	233.2	233.2	233.2	239.1	239.1	239.1	237.6	239.1	237.6
47.5°	215.5	217.0	217.0	219.9	222.9	222.9	222.9	224.3	224.3	224.3
50°	199.3	200.7	200.7	205.2	206.6	206.6	208.1	208.1	208.1	208.1
52.5°	183.0	183.0	184.5	188.9	190.4	191.9	191.9	193.3	193.3	193.3
55°	166.8	168.3	169.7	174.2	174.2	177.1	177.1	177.1	178.6	177.1
57.5°	150.5	152.0	153.5	156.4	159.4	160.9	160.9	162.4	162.4	162.4
60°	134.3	137.3	140.2	141.7	144.6	144.6	146.1	147.6	147.6	147.6
62.5°	119.6	122.5	125.5	126.9	128.4	129.9	131.4	132.8	134.3	134.3
65°	106.3	107.7	110.7	112.2	113.6	115.1	116.6	118.1	119.6	118.1
67.5°	91.5	94.5	97.4	98.9	100.4	101.8	103.3	104.8	104.8	104.8
70°	78.2	81.2	84.1	85.6	87.1	88.6	90.0	91.5	91.5	93.0
72.5°	66.4	69.4	70.8	72.3	73.8	75.3	76.7	78.2	79.7	79.7
75°	54.6	57.6	59.0	59.0	60.5	63.5	64.9	66.4	66.4	67.9
77.5°	42.8	45.8	47.2	48.7	50.2	51.7	53.1	54.6	56.1	56.1
80°	32.5	35.4	36.9	38.4	39.9	41.3	42.8	44.3	45.8	45.8
82.5°	22.1	26.6	26.6	28.0	29.5	32.5	33.9	35.4	36.9	36.9
85°	14.8	17.7	19.2	20.7	22.1	25.1	26.6	28.0	29.5	29.5
87.5°	5.9	10.3	11.8	13.3	16.2	17.7	19.2	20.7	22.1	22.1
90°	1.5	5.9	7.4	8.9	11.8	13.3	14.8	16.2	16.2	16.2
92.5°	19.2	22.1	22.1	25.1	31.0	47.2	59.0	62.0	60.5	56.1
95°	44.3	50.2	53.1	54.6	72.3	126.9	193.3	233.2	253.9	259.8
97.5°	76.7	84.1	88.6	85.6	109.2	181.5	286.3	357.2	395.6	405.9
100°	112.2	119.6	125.5	118.1	143.2	224.3	370.5	462.0	519.5	535.8
102.5°	152.0	159.4	163.8	150.5	175.6	265.7	441.3	557.9	630.2	658.3
105°	190.4	197.8	200.7	181.5	203.7	305.5	493.0	645.0	730.6	755.7
107.5°	228.8	233.2	233.2	214.0	228.8	338.0	522.5	714.4	814.7	841.3
110°	264.2	265.7	264.2	246.5	255.3	364.6	524.0	758.6	879.7	921.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
112.5°	292.2	295.2	289.3	277.5	277.5	379.3	524.0	758.6	907.7	954.9
115°	312.9	320.3	314.4	308.5	305.5	388.2	532.8	717.3	881.1	937.2
117.5°	323.2	338.0	339.5	333.6	333.6	397.0	535.8	659.7	807.3	861.9
120°	329.1	346.8	363.1	357.2	360.1	405.9	526.9	625.8	724.7	764.5
122.5°	338.0	346.8	374.9	373.4	383.7	414.7	518.1	611.0	680.4	696.6
125°	349.8	351.3	373.4	383.7	400.0	435.4	516.6	608.1	661.2	676.0
127.5°	360.1	363.1	376.4	391.1	413.3	450.2	506.2	599.2	642.0	662.7
130°	373.4	376.4	386.7	402.9	422.1	454.6	498.9	571.2	637.6	656.8
132.5°	386.7	391.1	401.5	419.2	436.9	464.9	488.5	522.5	569.7	578.6
135°	401.5	405.9	414.7	432.4	450.2	469.3	497.4	516.6	540.2	550.5
137.5°	414.7	419.2	426.5	442.8	460.5	470.8	493.0	516.6	534.3	544.6
140°	431.0	433.9	441.3	454.6	472.3	478.2	487.1	497.4	510.7	518.1
142.5°	442.8	445.7	451.6	463.4	479.7	487.1	490.0	493.0	497.4	497.4
145°	454.6	456.1	462.0	470.8	488.5	497.4	497.4	498.9	501.8	501.8
147.5°	466.4	466.4	470.8	478.2	494.4	504.8	507.7	506.2	507.7	509.2
150°	476.7	475.3	478.2	485.6	498.9	507.7	513.6	515.1	515.1	516.6
152.5°	484.1	484.1	484.1	490.0	501.8	510.7	515.1	519.5	522.5	524.0
155°	493.0	491.5	491.5	494.4	504.8	515.1	518.1	521.0	524.0	525.4
157.5°	500.3	500.3	498.9	500.3	506.2	515.1	521.0	522.5	525.4	526.9
160°	506.2	504.8	504.8	504.8	509.2	515.1	518.1	521.0	524.0	524.0
162.5°	510.7	510.7	509.2	509.2	513.6	516.6	515.1	515.1	518.1	519.5
165°	513.6	515.1	513.6	513.6	516.6	519.5	518.1	515.1	515.1	516.6
167.5°	518.1	518.1	518.1	516.6	518.1	521.0	519.5	518.1	518.1	518.1
170°	519.5	519.5	519.5	519.5	519.5	522.5	519.5	518.1	518.1	518.1
172.5°	521.0	519.5	519.5	519.5	519.5	522.5	519.5	516.6	515.1	515.1
175°	521.0	521.0	519.5	519.5	519.5	521.0	518.1	516.6	513.6	512.2
177.5°	521.0	519.5	518.1	515.1	515.1	518.1	515.1	512.2	510.7	510.7
180°	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.6

(END OF REPORT)