

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: P183726

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183726
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-1L35-1D-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

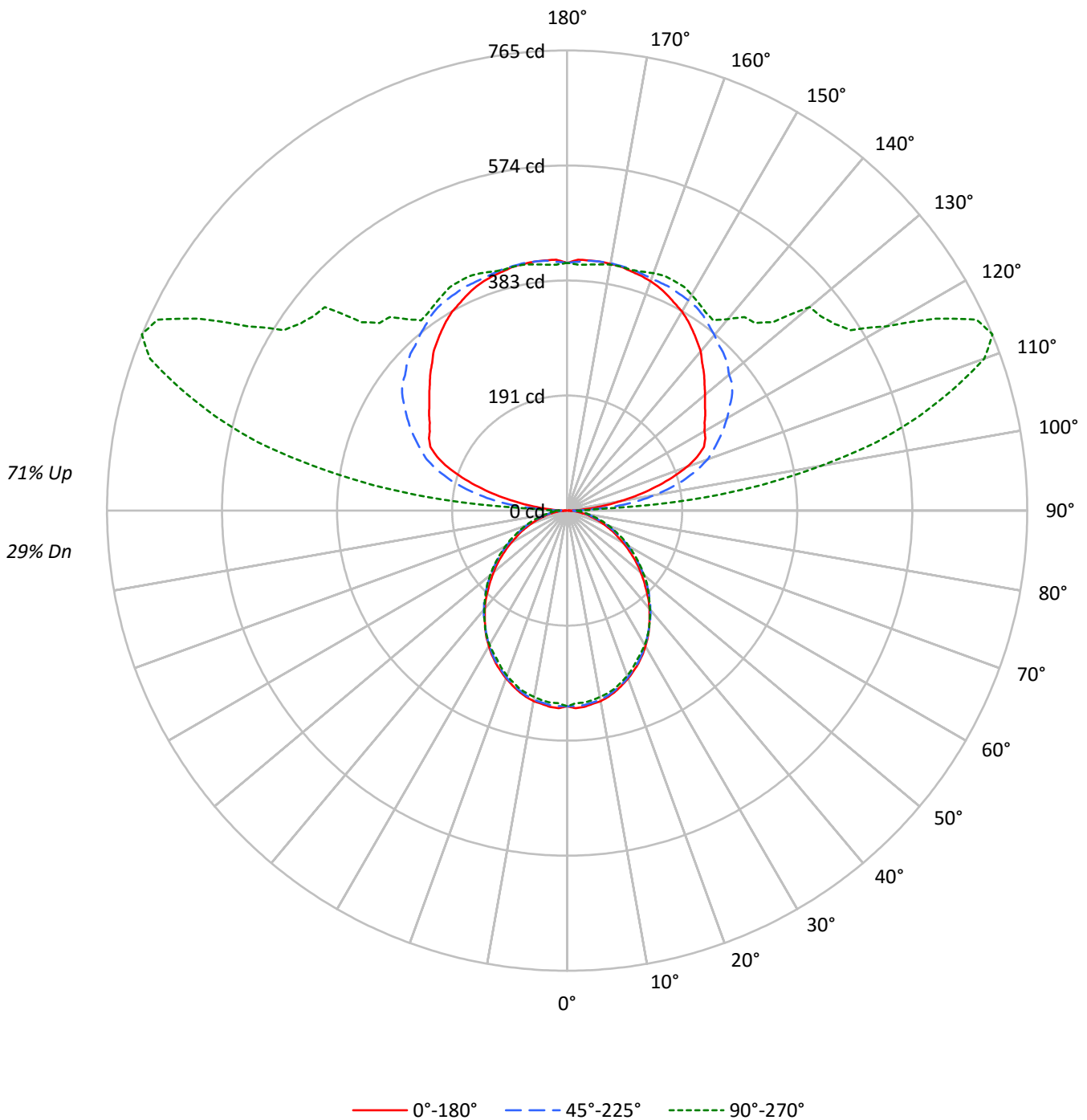
Lumens per Lamp: N/A
Luminaire Lumens: 2858.7 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.18 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.58' x H: 0.21')
CIE Type: Semi-Indirect

Input Watts (W): 26.1
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°	2606	2606	2606
5°	2621	2515	2458
10°	2590	2413	2331
15°	2540	2293	2211
20°	2478	2173	2071
25°	2412	2048	1926
30°	2329	1916	1806
35°	2234	1779	1674
40°	2123	1650	1527
45°	1988	1514	1387
50°	1861	1360	1251
55°	1724	1214	1105
60°	1566	1060	966
65°	1436	900	818
70°	1266	752	691
75°	1114	587	548
80°	902	433	408
85°	652	291	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	1.1
10°-20°	86.8	3.0
20°-30°	127.7	4.5
30°-40°	148.3	5.2
40°-50°	146.2	5.1
50°-60°	124.7	4.4
60°-70°	90.9	3.2
70°-80°	53.1	1.9
80°-90°	21.1	0.7
90°-100°	112.4	3.9
100°-110°	317.2	11.1
110°-120°	381.5	13.3
120°-130°	339.0	11.9
130°-140°	291.0	10.2
140°-150°	243.3	8.5
150°-160°	187.9	6.6
160°-170°	117.1	4.1
170°-180°	39.6	1.4
0°-30°	245.2	8.6
0°-40°	393.5	13.8
0°-60°	664.5	23.2
0°-90°	829.5	29.0
90°-120°	811.1	28.4
90°-150°	1684.4	58.9
90°-180°	2029.0	71.0
0°-180°	2858.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	325	325	325	325	325	
5°	328	324	325	323	320	31
15°	311	308	309	308	306	88
25°	280	278	279	276	274	129
35°	238	235	237	239	238	148
45°	186	187	192	191	190	144
55°	134	137	141	142	142	119
65°	85	89	92	94	95	84
75°	44	47	50	53	54	46
85°	12	16	19	22	24	12
90°	1	6	10	13	13	3
95°	36	43	80	179	208	41
105°	153	157	204	486	606	160
115°	251	251	278	538	751	243
125°	280	301	335	469	542	251
135°	322	336	368	410	441	249
145°	364	372	395	400	402	228
155°	395	394	409	417	421	182
165°	412	412	415	413	414	117
175°	418	416	417	414	410	40
180°	412	412	412	412	412	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	328.8	326.4	325.3	324.1	324.1	326.4	325.3	324.1	321.7	320.5
5°	327.6	325.3	324.1	322.9	324.1	325.3	324.1	322.9	321.7	320.5
7.5°	324.1	322.9	320.5	320.5	320.5	322.9	320.5	320.5	319.4	318.2
10°	321.7	319.4	318.2	318.2	318.2	320.5	318.2	317.0	315.8	314.6
12.5°	317.0	314.6	313.4	313.4	313.4	315.8	313.4	312.3	311.1	311.1
15°	311.1	309.9	308.7	307.5	307.5	309.9	308.7	307.5	306.3	306.3
17.5°	304.0	302.8	301.6	301.6	301.6	304.0	301.6	300.4	299.2	299.2
20°	296.9	295.7	294.5	294.5	294.5	295.7	294.5	293.3	292.1	292.1
22.5°	288.6	287.4	286.2	286.2	286.2	287.4	286.2	283.9	283.9	283.9
25°	280.3	279.1	278.0	276.8	278.0	279.1	276.8	275.6	274.4	274.4
27.5°	270.9	269.7	268.5	267.3	268.5	269.7	268.5	266.1	266.1	266.1
30°	260.2	259.0	257.8	257.8	259.0	259.0	257.8	257.8	257.8	257.8
32.5°	249.6	248.4	247.2	247.2	248.4	248.4	249.6	249.6	248.4	248.4
35°	237.7	236.6	235.4	235.4	236.6	237.7	238.9	238.9	238.9	237.7
37.5°	224.7	224.7	223.5	223.5	225.9	228.3	228.3	227.1	227.1	225.9
40°	212.9	211.7	211.7	211.7	214.1	216.5	216.5	215.3	214.1	214.1
42.5°	199.9	199.9	199.9	199.9	203.4	204.6	203.4	203.4	202.3	202.3
45°	185.7	186.9	186.9	186.9	191.6	191.6	191.6	190.4	191.6	190.4
47.5°	172.7	173.9	173.9	176.2	178.6	178.6	178.6	179.8	179.8	179.8
50°	159.7	160.9	160.9	164.4	165.6	165.6	166.8	166.8	166.8	166.8
52.5°	146.7	146.7	147.8	151.4	152.6	153.8	153.8	154.9	154.9	154.9
55°	133.7	134.8	136.0	139.6	139.6	141.9	141.9	141.9	143.1	141.9
57.5°	120.6	121.8	123.0	125.4	127.7	128.9	128.9	130.1	130.1	130.1
60°	107.6	110.0	112.4	113.5	115.9	115.9	117.1	118.3	118.3	118.3
62.5°	95.8	98.2	100.5	101.7	102.9	104.1	105.3	106.5	107.6	107.6
65°	85.2	86.3	88.7	89.9	91.1	92.3	93.4	94.6	95.8	94.6
67.5°	73.3	75.7	78.1	79.2	80.4	81.6	82.8	84.0	84.0	84.0
70°	62.7	65.1	67.4	68.6	69.8	71.0	72.2	73.3	73.3	74.5
72.5°	53.2	55.6	56.8	58.0	59.1	60.3	61.5	62.7	63.9	63.9
75°	43.8	46.1	47.3	47.3	48.5	50.9	52.0	53.2	53.2	54.4
77.5°	34.3	36.7	37.8	39.0	40.2	41.4	42.6	43.8	44.9	44.9
80°	26.0	28.4	29.6	30.8	31.9	33.1	34.3	35.5	36.7	36.7
82.5°	17.7	21.3	21.3	22.5	23.7	26.0	27.2	28.4	29.6	29.6
85°	11.8	14.2	15.4	16.6	17.7	20.1	21.3	22.5	23.7	23.7
87.5°	4.7	8.3	9.5	10.6	13.0	14.2	15.4	16.6	17.7	17.7
90°	1.2	4.7	5.9	7.1	9.5	10.6	11.8	13.0	13.0	13.0
92.5°	15.4	17.7	17.7	20.1	24.8	37.8	47.3	49.7	48.5	44.9
95°	35.5	40.2	42.6	43.8	58.0	101.7	154.9	186.9	203.4	208.2
97.5°	61.5	67.4	71.0	68.6	87.5	145.5	229.5	286.2	317.0	325.3
100°	89.9	95.8	100.5	94.6	114.7	179.8	296.9	370.2	416.3	429.4
102.5°	121.8	127.7	131.3	120.6	140.8	212.9	353.7	447.1	505.1	527.5
105°	152.6	158.5	160.9	145.5	163.2	244.8	395.1	516.9	585.5	605.6
107.5°	183.3	186.9	186.9	171.5	183.3	270.9	418.7	572.5	652.9	674.2
110°	211.7	212.9	211.7	197.5	204.6	292.1	419.9	608.0	704.9	738.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
112.5°	234.2	236.6	231.8	222.4	222.4	304.0	419.9	608.0	727.4	765.3
115°	250.8	256.7	251.9	247.2	244.8	311.1	427.0	574.8	706.1	751.1
117.5°	259.0	270.9	272.0	267.3	267.3	318.2	429.4	528.7	647.0	690.7
120°	263.8	278.0	291.0	286.2	288.6	325.3	422.3	501.5	580.7	612.7
122.5°	270.9	278.0	300.4	299.2	307.5	332.4	415.2	489.7	545.3	558.3
125°	280.3	281.5	299.2	307.5	320.5	348.9	414.0	487.3	529.9	541.7
127.5°	288.6	291.0	301.6	313.4	331.2	360.8	405.7	480.2	514.5	531.1
130°	299.2	301.6	309.9	322.9	338.3	364.3	399.8	457.7	511.0	526.3
132.5°	309.9	313.4	321.7	335.9	350.1	372.6	391.5	418.7	456.6	463.7
135°	321.7	325.3	332.4	346.6	360.8	376.1	398.6	414.0	432.9	441.2
137.5°	332.4	335.9	341.8	354.8	369.0	377.3	395.1	414.0	428.2	436.4
140°	345.4	347.7	353.7	364.3	378.5	383.2	390.3	398.6	409.2	415.2
142.5°	354.8	357.2	361.9	371.4	384.4	390.3	392.7	395.1	398.6	398.6
145°	364.3	365.5	370.2	377.3	391.5	398.6	398.6	399.8	402.1	402.1
147.5°	373.8	373.8	377.3	383.2	396.2	404.5	406.9	405.7	406.9	408.1
150°	382.0	380.9	383.2	389.1	399.8	406.9	411.6	412.8	412.8	414.0
152.5°	388.0	388.0	388.0	392.7	402.1	409.2	412.8	416.3	418.7	419.9
155°	395.1	393.9	393.9	396.2	404.5	412.8	415.2	417.5	419.9	421.1
157.5°	401.0	401.0	399.8	401.0	405.7	412.8	417.5	418.7	421.1	422.3
160°	405.7	404.5	404.5	404.5	408.1	412.8	415.2	417.5	419.9	419.9
162.5°	409.2	409.2	408.1	408.1	411.6	414.0	412.8	412.8	415.2	416.3
165°	411.6	412.8	411.6	411.6	414.0	416.3	415.2	412.8	412.8	414.0
167.5°	415.2	415.2	415.2	414.0	415.2	417.5	416.3	415.2	415.2	415.2
170°	416.3	416.3	416.3	416.3	416.3	418.7	416.3	415.2	415.2	415.2
172.5°	417.5	416.3	416.3	416.3	416.3	418.7	416.3	414.0	412.8	412.8
175°	417.5	417.5	416.3	416.3	416.3	417.5	415.2	414.0	411.6	410.4
177.5°	417.5	416.3	415.2	412.8	412.8	415.2	412.8	410.4	409.2	409.2
180°	411.6	411.6	411.6	411.6	411.6	411.6	411.6	411.6	411.6	411.6

(END OF REPORT)