

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: P384287

Luminaire Tested: **22ID-30-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-30-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

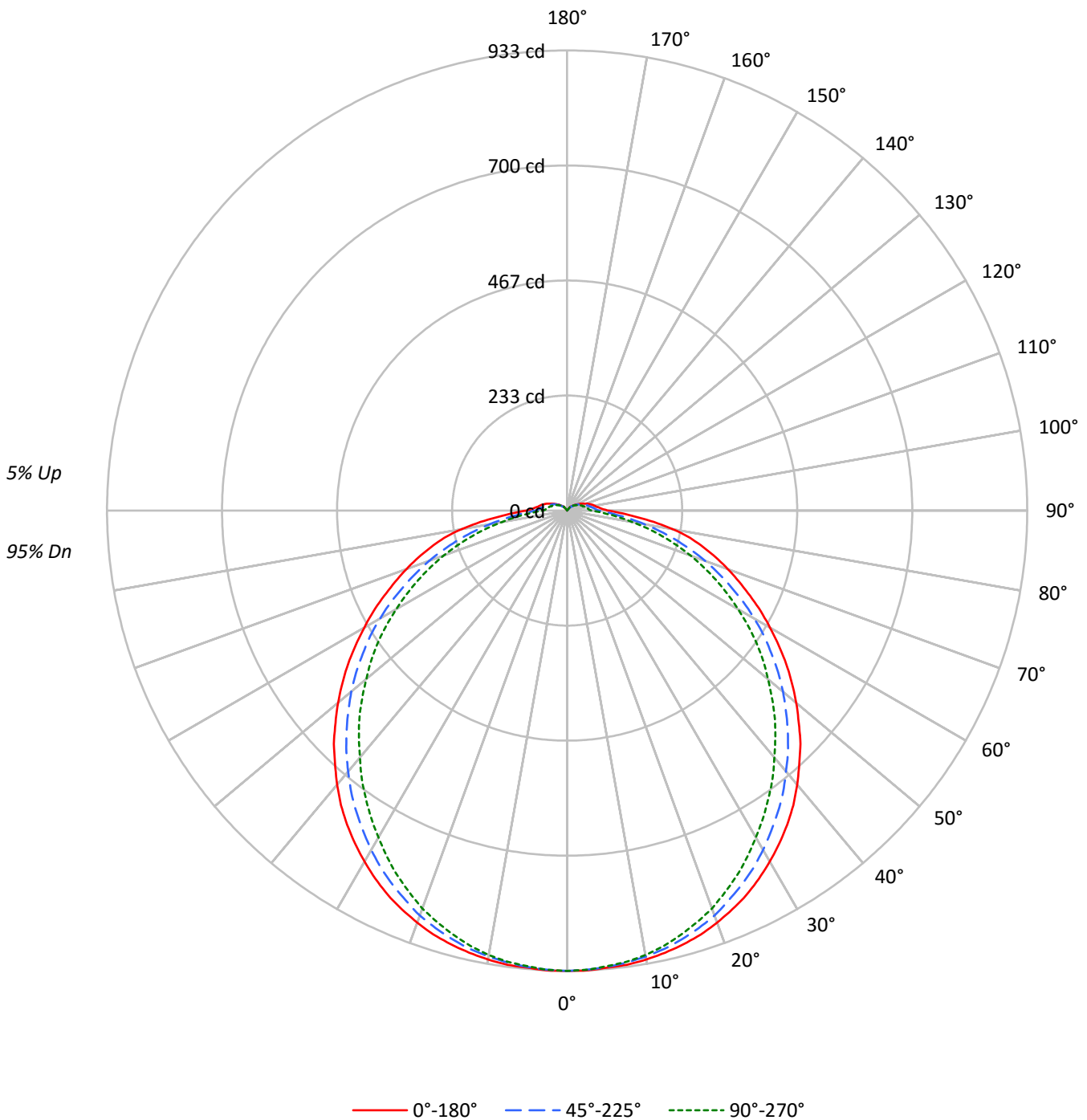
Lumens per Lamp: N/A
Luminaire Lumens: 3027.3 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.2
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2512	2512	2512
5°	2495	2483	2487
10°	2489	2458	2464
15°	2481	2430	2427
20°	2471	2399	2386
25°	2458	2356	2331
30°	2437	2311	2269
35°	2414	2262	2210
40°	2382	2207	2147
45°	2350	2153	2093
50°	2310	2097	2024
55°	2274	2030	1966
60°	2234	1959	1882
65°	2212	1863	1799
70°	2220	1771	1702
75°	2266	1644	1575
80°	2298	1476	1414
85°	2174	1326	1305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	2.9
10°-20°	254.0	8.4
20°-30°	385.8	12.7
30°-40°	466.0	15.4
40°-50°	487.8	16.1
50°-60°	452.6	15.0
60°-70°	366.6	12.1
70°-80°	247.4	8.2
80°-90°	119.5	3.9
90°-100°	60.1	2.0
100°-110°	43.7	1.4
110°-120°	29.2	1.0
120°-130°	16.9	0.6
130°-140°	8.5	0.3
140°-150°	0.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	728.2	24.1
0°-40°	1194.2	39.4
0°-60°	2134.6	70.5
0°-90°	2868.1	94.7
90°-120°	133.0	4.4
90°-150°	159.2	5.3
90°-180°	159.0	5.3
0°-180°	3027.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	930	929	929	927	927	89
15°	910	906	900	894	891	257
25°	860	852	837	822	816	396
35°	778	767	746	723	712	486
45°	669	657	632	606	596	515
55°	542	530	506	481	469	485
65°	409	394	367	347	333	406
75°	286	257	228	211	199	301
85°	138	119	101	92	82	130
90°	82	75	64	58	49	47
95°	66	61	55	49	43	52
105°	49	46	41	37	34	52
115°	34	31	31	26	26	33
125°	21	18	20	17	18	19
135°	12	11	11	11	12	10
145°	0	0	0	0	0	1
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.4	933.4	933.4	933.4	933.4
2.5°	933.4	931.8	931.8	931.8	931.8
5°	930.3	928.8	928.8	927.3	927.3
7.5°	928.8	925.7	924.2	922.7	922.7
10°	924.2	921.2	918.1	915.0	915.0
12.5°	918.1	915.0	910.5	904.3	904.3
15°	910.5	905.9	899.8	893.7	890.6
17.5°	901.3	896.7	887.5	878.4	875.3
20°	889.1	883.0	873.8	861.6	858.5
22.5°	875.3	869.2	855.5	843.2	837.1
25°	860.0	852.4	837.1	821.9	815.7
27.5°	841.7	834.1	817.3	798.9	791.3
30°	821.9	812.7	794.4	774.5	765.3
32.5°	800.5	789.8	769.9	748.5	739.4
35°	777.6	766.9	745.5	722.6	711.9
37.5°	753.1	742.4	719.5	695.1	684.4
40°	725.6	714.9	690.5	666.0	653.8
42.5°	696.6	687.4	663.0	637.0	624.8
45°	669.1	656.9	632.4	606.5	595.8
47.5°	637.0	627.9	601.9	575.9	563.7
50°	606.5	595.8	571.3	545.4	531.6
52.5°	574.4	565.2	539.2	513.3	501.1
55°	542.3	530.1	505.6	481.2	469.0
57.5°	508.7	498.0	473.6	450.6	435.4
60°	475.1	464.4	438.4	417.0	400.2
62.5°	443.0	430.8	403.3	380.4	366.6
65°	409.4	394.1	366.6	346.8	333.0
67.5°	377.3	359.0	331.5	313.2	299.4
70°	346.8	325.4	297.9	279.6	265.8
72.5°	316.2	290.2	261.2	244.4	232.2
75°	285.7	256.6	227.6	210.8	198.6
77.5°	255.1	221.5	192.5	178.7	166.5
80°	218.4	186.4	158.9	146.7	134.4
82.5°	177.2	151.2	128.3	116.1	106.9
85°	137.5	119.2	100.8	91.7	82.5
87.5°	106.9	93.2	79.4	71.8	64.2
90°	82.5	74.9	64.2	58.0	48.9
92.5°	71.8	65.7	58.0	51.9	44.3
95°	65.7	61.1	55.0	48.9	42.8
97.5°	59.6	56.5	50.4	45.8	39.7
100°	56.5	51.9	47.4	42.8	38.2
102.5°	53.5	48.9	44.3	39.7	36.7
105°	48.9	45.8	41.2	36.7	33.6
107.5°	45.8	41.2	38.2	33.6	32.1
110°	41.2	38.2	35.1	32.1	30.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.7	35.1	32.1	29.0	27.5
115°	33.6	30.6	30.6	26.0	26.0
117.5°	30.6	27.5	27.5	24.4	24.4
120°	26.0	24.4	24.4	21.4	21.4
122.5°	22.9	21.4	21.4	19.9	19.9
125°	21.4	18.3	19.9	16.8	18.3
127.5°	18.3	16.8	16.8	15.3	16.8
130°	15.3	13.7	13.7	13.7	15.3
132.5°	13.7	12.2	12.2	12.2	13.7
135°	12.2	10.7	10.7	10.7	12.2
137.5°	10.7	9.2	7.6	9.2	10.7
140°	9.2	7.6	6.1	7.6	9.2
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)