

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: P384571

Luminaire Tested: **14ID-35-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-35-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

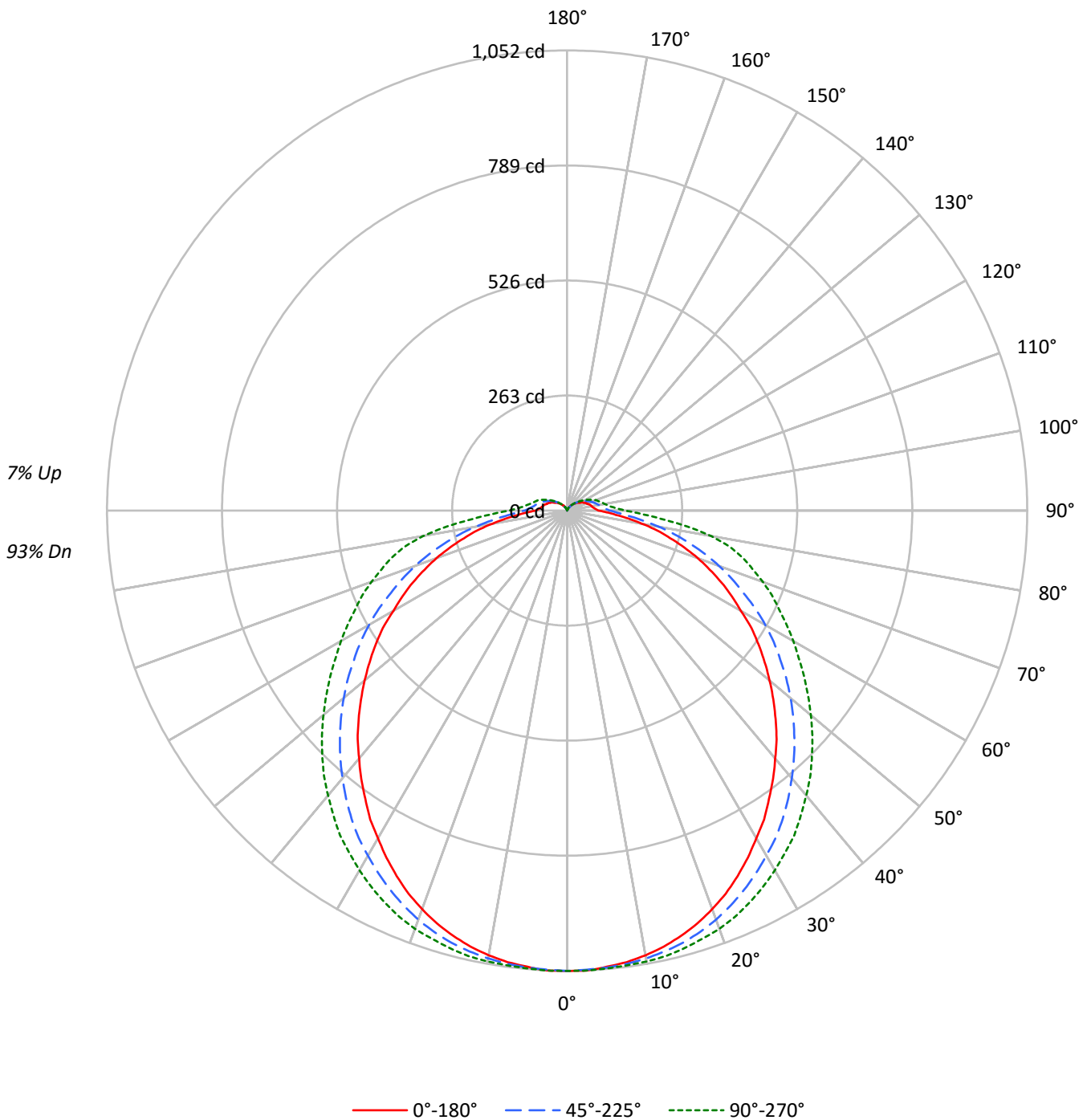
Lumens per Lamp: N/A
Luminaire Lumens: 3682.6 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 28.4
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2832	2832	2832
5°	2812	2779	2777
10°	2790	2734	2740
15°	2758	2691	2704
20°	2715	2638	2671
25°	2660	2576	2628
30°	2594	2510	2578
35°	2532	2445	2531
40°	2470	2367	2469
45°	2414	2290	2410
50°	2354	2209	2346
55°	2302	2122	2286
60°	2230	2037	2242
65°	2186	1920	2215
70°	2133	1807	2219
75°	2060	1654	2233
80°	1997	1465	2143
85°	2017	1238	1720



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	2.7
10°-20°	288.3	7.8
20°-30°	440.6	12.0
30°-40°	536.3	14.6
40°-50°	566.8	15.4
50°-60°	535.0	14.5
60°-70°	450.1	12.2
70°-80°	324.5	8.8
80°-90°	171.1	4.6
90°-100°	91.6	2.5
100°-110°	69.6	1.9
110°-120°	50.5	1.4
120°-130°	31.7	0.9
130°-140°	17.1	0.5
140°-150°	7.5	0.2
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	828.7	22.5
0°-40°	1365.0	37.1
0°-60°	2466.8	67.0
0°-90°	3412.6	92.7
90°-120°	211.7	5.7
90°-150°	267.9	7.3
90°-180°	270.0	7.3
0°-180°	3682.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1047	1047	1049	1049	1050	100
15°	1006	1010	1023	1030	1036	284
25°	922	933	957	979	988	425
35°	804	823	860	893	905	504
45°	674	694	735	775	792	520
55°	534	558	595	639	661	478
65°	389	411	444	500	534	385
75°	244	264	290	347	415	259
85°	112	127	141	176	215	105
90°	72	84	97	116	132	41
95°	62	72	83	94	101	50
105°	53	59	66	74	77	56
115°	42	46	51	55	59	42
125°	31	31	37	37	39	28
135°	22	20	22	22	24	17
145°	13	11	11	11	13	8
155°	6	6	2	4	6	3
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°	1052.4	1052.4	1052.4	1052.4	1052.4
2.5°	1052.4	1050.5	1050.5	1050.5	1052.4
5°	1046.8	1046.8	1048.7	1048.7	1050.5
7.5°	1041.3	1041.3	1045.0	1046.8	1048.7
10°	1032.2	1034.0	1039.5	1043.2	1046.8
12.5°	1021.1	1023.0	1032.2	1039.5	1043.2
15°	1006.4	1010.1	1023.0	1030.3	1035.8
17.5°	989.9	995.4	1010.1	1021.1	1026.6
20°	969.7	977.1	995.4	1010.1	1017.5
22.5°	947.7	955.0	977.1	995.4	1004.6
25°	922.0	933.0	956.9	978.9	988.1
27.5°	894.4	907.3	934.8	960.5	969.7
30°	865.0	879.7	910.9	938.5	949.5
32.5°	837.5	852.2	887.1	916.5	927.5
35°	804.4	822.8	859.5	892.6	905.4
37.5°	773.2	791.6	830.1	865.0	877.9
40°	740.1	758.5	798.9	837.5	850.3
42.5°	708.9	727.3	767.7	808.1	822.8
45°	674.0	694.2	734.6	775.0	791.6
47.5°	639.1	659.3	701.6	743.8	760.3
50°	604.2	626.3	666.7	708.9	727.3
52.5°	569.3	591.4	631.8	675.9	694.2
55°	534.4	558.3	595.0	639.1	661.2
57.5°	499.5	523.4	560.2	606.1	628.1
60°	459.1	486.7	523.4	571.2	596.9
62.5°	424.2	448.1	484.9	534.4	565.7
65°	389.4	411.4	444.5	499.5	534.4
67.5°	352.6	376.5	407.7	459.1	506.9
70°	317.7	337.9	369.2	422.4	475.7
72.5°	281.0	301.2	330.6	385.7	444.5
75°	244.3	264.5	290.2	347.1	415.1
77.5°	211.2	227.7	251.6	306.7	380.2
80°	174.5	191.0	213.0	262.6	334.3
82.5°	141.4	156.1	174.5	218.6	275.5
85°	112.0	126.7	141.4	176.3	214.9
87.5°	90.0	101.0	115.7	141.4	167.1
90°	71.6	84.5	97.3	115.7	132.2
92.5°	66.1	77.1	88.2	102.8	113.9
95°	62.4	71.6	82.6	93.7	101.0
97.5°	58.8	68.0	77.1	88.2	93.7
100°	56.9	64.3	73.5	82.6	86.3
102.5°	55.1	60.6	69.8	77.1	82.6
105°	53.3	58.8	66.1	73.5	77.1
107.5°	49.6	55.1	62.4	69.8	73.5
110°	47.8	51.4	58.8	64.3	69.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.9	49.6	55.1	60.6	64.3
115°	42.2	45.9	51.4	55.1	58.8
117.5°	40.4	42.2	47.8	49.6	53.3
120°	36.7	38.6	44.1	45.9	47.8
122.5°	33.1	34.9	40.4	40.4	44.1
125°	31.2	31.2	36.7	36.7	38.6
127.5°	29.4	29.4	33.1	33.1	34.9
130°	25.7	25.7	29.4	29.4	29.4
132.5°	23.9	22.0	25.7	25.7	27.5
135°	22.0	20.2	22.0	22.0	23.9
137.5°	18.4	18.4	20.2	18.4	20.2
140°	16.5	14.7	16.5	16.5	18.4
142.5°	14.7	12.9	14.7	12.9	14.7
145°	12.9	11.0	11.0	11.0	12.9
147.5°	11.0	9.2	9.2	9.2	11.0
150°	9.2	7.3	7.3	7.3	9.2
152.5°	7.3	5.5	3.7	5.5	7.3
155°	5.5	5.5	1.8	3.7	5.5
157.5°	3.7	3.7	0.0	1.8	3.7
160°	1.8	1.8	0.0	1.8	1.8
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)