

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: P384235

Luminaire Tested: **14ID-35-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384235
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: 14ID-35-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

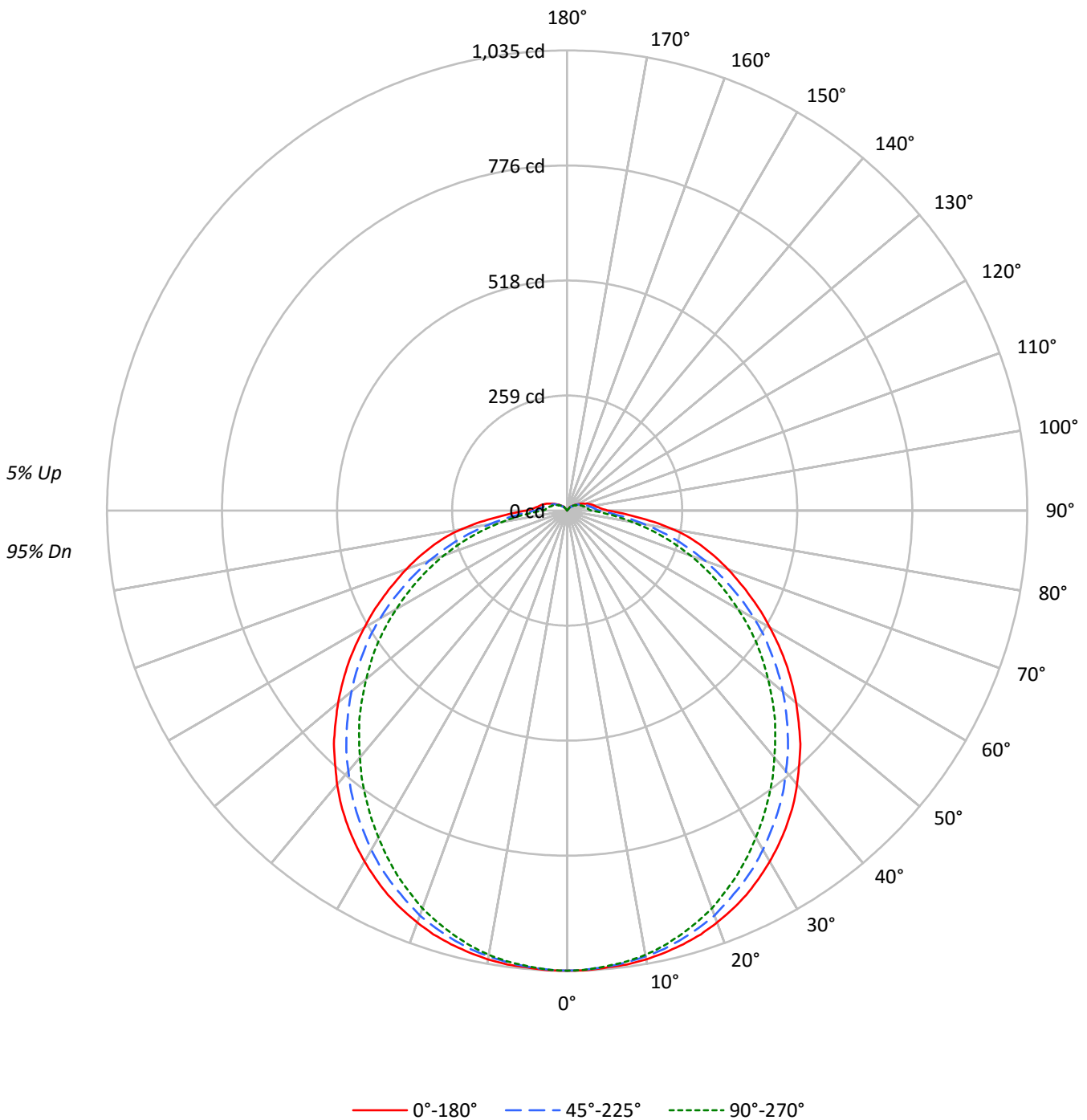
Lumens per Lamp: N/A
Luminaire Lumens: 3357.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

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			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°	2785	2785	2785
5°	2776	2747	2738
10°	2780	2712	2694
15°	2782	2674	2634
20°	2781	2634	2570
25°	2778	2579	2492
30°	2765	2523	2406
35°	2752	2462	2322
40°	2731	2394	2234
45°	2711	2326	2155
50°	2682	2256	2059
55°	2663	2173	1971
60°	2644	2085	1853
65°	2654	1967	1732
70°	2714	1850	1591
75°	2851	1693	1411
80°	3036	1488	1188
85°	3189	1286	972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	2.9
10°-20°	281.7	8.4
20°-30°	427.8	12.7
30°-40°	516.8	15.4
40°-50°	540.9	16.1
50°-60°	501.9	15.0
60°-70°	406.5	12.1
70°-80°	274.3	8.2
80°-90°	132.5	3.9
90°-100°	66.7	2.0
100°-110°	48.5	1.4
110°-120°	32.4	1.0
120°-130°	18.8	0.6
130°-140°	9.5	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°	807.5	24.1
0°-40°	1324.3	39.4
0°-60°	2367.1	70.5
0°-90°	3180.5	94.7
90°-120°	147.5	4.4
90°-150°	176.5	5.3
90°-180°	177.0	5.3
0°-180°	3357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1032	1030	1030	1028	1028	98
15°	1010	1004	998	991	988	285
25°	954	945	928	911	905	439
35°	862	850	827	801	789	539
45°	742	728	701	672	661	572
55°	601	588	561	534	520	538
65°	454	437	407	384	369	451
75°	317	285	252	234	220	334
85°	152	132	112	102	92	144
90°	92	83	71	64	54	52
95°	73	68	61	54	47	57
105°	54	51	46	41	37	58
115°	37	34	34	29	29	37
125°	24	20	22	19	20	21
135°	14	12	12	12	14	11
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°	1035.0	1035.0	1035.0	1035.0	1035.0
2.5°	1035.0	1033.3	1033.3	1033.3	1033.3
5°	1031.6	1029.9	1029.9	1028.3	1028.3
7.5°	1029.9	1026.6	1024.9	1023.2	1023.2
10°	1024.9	1021.5	1018.1	1014.7	1014.7
12.5°	1018.1	1014.7	1009.6	1002.8	1002.8
15°	1009.6	1004.5	997.8	991.0	987.6
17.5°	999.5	994.4	984.2	974.0	970.7
20°	985.9	979.1	969.0	955.4	952.0
22.5°	970.7	963.9	948.6	935.1	928.3
25°	953.7	945.2	928.3	911.4	904.6
27.5°	933.4	924.9	906.3	886.0	877.5
30°	911.4	901.2	880.9	858.9	848.7
32.5°	887.6	875.8	853.8	830.1	819.9
35°	862.2	850.4	826.7	801.3	789.4
37.5°	835.1	823.3	797.9	770.8	758.9
40°	804.6	792.8	765.7	738.6	725.0
42.5°	772.5	762.3	735.2	706.4	692.8
45°	742.0	728.4	701.3	672.5	660.7
47.5°	706.4	696.2	667.4	638.6	625.1
50°	672.5	660.7	633.6	604.8	589.5
52.5°	636.9	626.8	598.0	569.2	555.6
55°	601.4	587.8	560.7	533.6	520.1
57.5°	564.1	552.2	525.1	499.7	482.8
60°	526.8	515.0	486.2	462.5	443.8
62.5°	491.3	477.7	447.2	421.8	406.6
65°	454.0	437.0	406.6	384.5	369.3
67.5°	418.4	398.1	367.6	347.3	332.0
70°	384.5	360.8	330.3	310.0	294.8
72.5°	350.7	321.9	289.7	271.0	257.5
75°	316.8	284.6	252.4	233.8	220.2
77.5°	282.9	245.6	213.4	198.2	184.6
80°	242.2	206.7	176.2	162.6	149.1
82.5°	196.5	167.7	142.3	128.7	118.6
85°	152.5	132.1	111.8	101.6	91.5
87.5°	118.6	103.3	88.1	79.6	71.1
90°	91.5	83.0	71.1	64.4	54.2
92.5°	79.6	72.8	64.4	57.6	49.1
95°	72.8	67.8	61.0	54.2	47.4
97.5°	66.1	62.7	55.9	50.8	44.0
100°	62.7	57.6	52.5	47.4	42.3
102.5°	59.3	54.2	49.1	44.0	40.7
105°	54.2	50.8	45.7	40.7	37.3
107.5°	50.8	45.7	42.3	37.3	35.6
110°	45.7	42.3	39.0	35.6	33.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.7	39.0	35.6	32.2	30.5
115°	37.3	33.9	33.9	28.8	28.8
117.5°	33.9	30.5	30.5	27.1	27.1
120°	28.8	27.1	27.1	23.7	23.7
122.5°	25.4	23.7	23.7	22.0	22.0
125°	23.7	20.3	22.0	18.6	20.3
127.5°	20.3	18.6	18.6	16.9	18.6
130°	16.9	15.2	15.2	15.2	16.9
132.5°	15.2	13.6	13.6	13.6	15.2
135°	13.6	11.9	11.9	11.9	13.6
137.5°	11.9	10.2	8.5	10.2	11.9
140°	10.2	8.5	6.8	8.5	10.2
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)