

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: P384679

Luminaire Tested: **24ID-35-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384679
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: 24ID-35-L835-CFD3
Description: 2X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

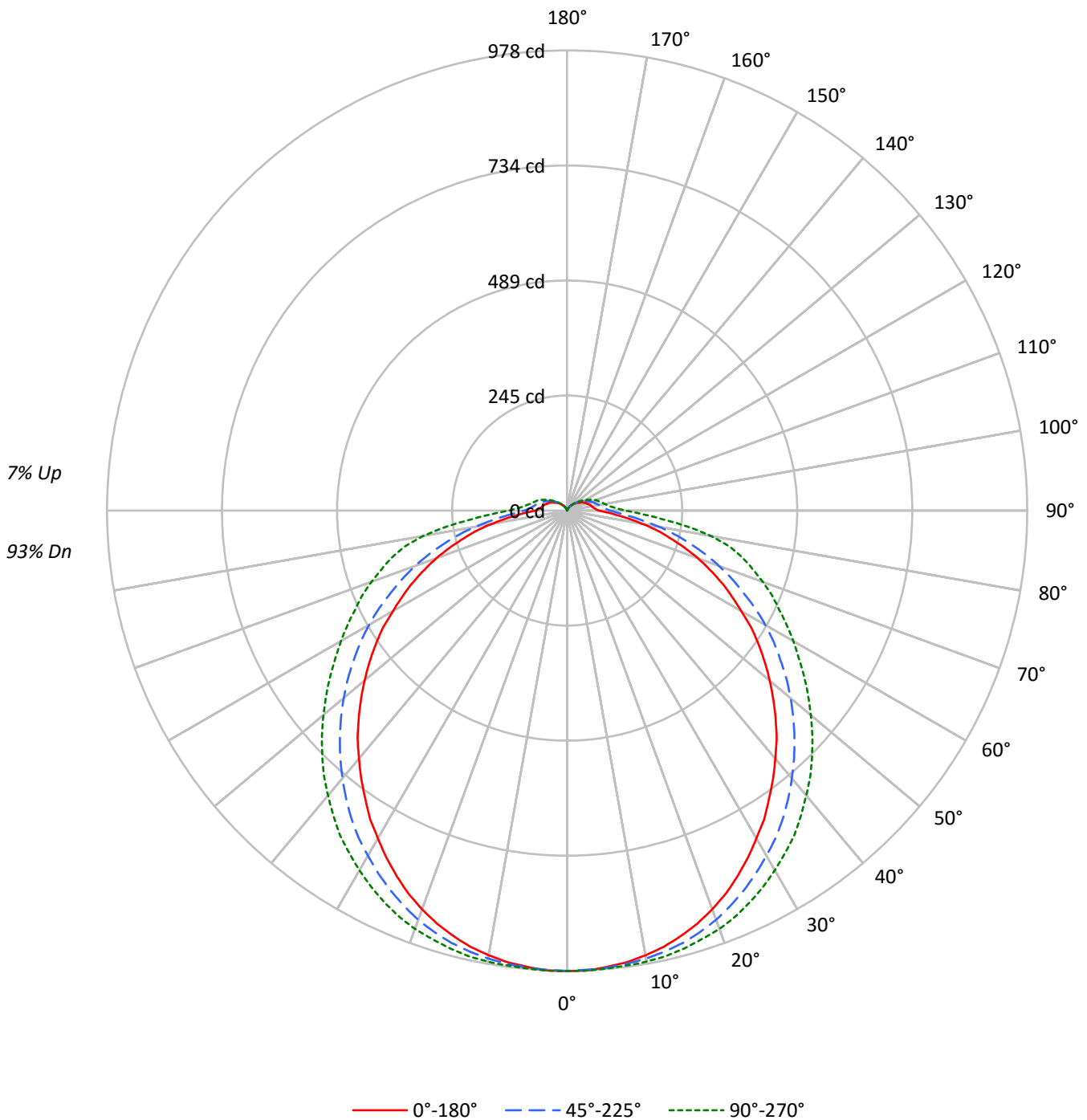
Lumens per Lamp: N/A
Luminaire Lumens: 3424.1 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 30.4
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°	1317	1317	1317
5°	1308	1302	1305
10°	1297	1290	1301
15°	1282	1280	1298
20°	1262	1264	1296
25°	1237	1244	1289
30°	1206	1222	1279
35°	1177	1201	1272
40°	1149	1174	1257
45°	1122	1148	1245
50°	1094	1121	1232
55°	1070	1091	1224
60°	1037	1065	1228
65°	1016	1025	1248
70°	992	990	1295
75°	957	938	1368
80°	928	876	1409
85°	938	807	1270



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	2.7
10°-20°	268.1	7.8
20°-30°	409.6	12.0
30°-40°	498.6	14.6
40°-50°	527.0	15.4
50°-60°	497.5	14.5
60°-70°	418.5	12.2
70°-80°	301.7	8.8
80°-90°	159.1	4.6
90°-100°	85.2	2.5
100°-110°	64.7	1.9
110°-120°	46.9	1.4
120°-130°	29.5	0.9
130°-140°	15.9	0.5
140°-150°	6.9	0.2
150°-160°	1.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	770.5	22.5
0°-40°	1269.1	37.1
0°-60°	2293.6	67.0
0°-90°	3173.1	92.7
90°-120°	196.8	5.7
90°-150°	249.1	7.3
90°-180°	251.0	7.3
0°-180°	3424.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	973	973	975	975	977	93
15°	936	939	951	958	963	264
25°	857	868	890	910	919	395
35°	748	765	799	830	842	468
45°	627	646	683	721	736	484
55°	497	519	553	594	615	444
65°	362	382	413	464	497	358
75°	227	246	270	323	386	241
85°	104	118	132	164	200	98
90°	67	79	90	108	123	38
95°	58	67	77	87	94	46
105°	50	55	62	68	72	52
115°	39	43	48	51	55	39
125°	29	29	34	34	36	26
135°	20	19	20	20	22	15
145°	12	10	10	10	12	8
155°	5	5	2	3	5	2
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°	978.5	978.5	978.5	978.5	978.5
2.5°	978.5	976.8	976.8	976.8	978.5
5°	973.4	973.4	975.1	975.1	976.8
7.5°	968.2	968.2	971.7	973.4	975.1
10°	959.7	961.4	966.5	969.9	973.4
12.5°	949.5	951.2	959.7	966.5	969.9
15°	935.8	939.2	951.2	958.0	963.1
17.5°	920.4	925.5	939.2	949.5	954.6
20°	901.6	908.5	925.5	939.2	946.0
22.5°	881.2	888.0	908.5	925.5	934.1
25°	857.2	867.5	889.7	910.2	918.7
27.5°	831.6	843.6	869.2	893.1	901.6
30°	804.3	818.0	847.0	872.6	882.9
32.5°	778.7	792.4	824.8	852.1	862.4
35°	748.0	765.0	799.2	829.9	841.9
37.5°	718.9	736.0	771.9	804.3	816.3
40°	688.2	705.3	742.8	778.7	790.6
42.5°	659.2	676.2	713.8	751.4	765.0
45°	626.7	645.5	683.1	720.6	736.0
47.5°	594.3	613.0	652.3	691.6	707.0
50°	561.8	582.3	619.9	659.2	676.2
52.5°	529.4	549.9	587.4	628.4	645.5
55°	496.9	519.1	553.3	594.3	614.8
57.5°	464.5	486.7	520.8	563.5	584.0
60°	426.9	452.5	486.7	531.1	555.0
62.5°	394.5	416.7	450.8	496.9	526.0
65°	362.0	382.5	413.3	464.5	496.9
67.5°	327.9	350.1	379.1	426.9	471.3
70°	295.4	314.2	343.2	392.8	442.3
72.5°	261.3	280.1	307.4	358.6	413.3
75°	227.1	245.9	269.8	322.7	385.9
77.5°	196.4	211.7	233.9	285.2	353.5
80°	162.2	177.6	198.1	244.2	310.8
82.5°	131.5	145.2	162.2	203.2	256.1
85°	104.2	117.8	131.5	163.9	199.8
87.5°	83.7	93.9	107.6	131.5	155.4
90°	66.6	78.6	90.5	107.6	123.0
92.5°	61.5	71.7	82.0	95.6	105.9
95°	58.1	66.6	76.8	87.1	93.9
97.5°	54.6	63.2	71.7	82.0	87.1
100°	52.9	59.8	68.3	76.8	80.3
102.5°	51.2	56.4	64.9	71.7	76.8
105°	49.5	54.6	61.5	68.3	71.7
107.5°	46.1	51.2	58.1	64.9	68.3
110°	44.4	47.8	54.6	59.8	64.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	42.7	46.1	51.2	56.4	59.8
115°	39.3	42.7	47.8	51.2	54.6
117.5°	37.6	39.3	44.4	46.1	49.5
120°	34.2	35.9	41.0	42.7	44.4
122.5°	30.7	32.4	37.6	37.6	41.0
125°	29.0	29.0	34.2	34.2	35.9
127.5°	27.3	27.3	30.7	30.7	32.4
130°	23.9	23.9	27.3	27.3	27.3
132.5°	22.2	20.5	23.9	23.9	25.6
135°	20.5	18.8	20.5	20.5	22.2
137.5°	17.1	17.1	18.8	17.1	18.8
140°	15.4	13.7	15.4	15.4	17.1
142.5°	13.7	12.0	13.7	12.0	13.7
145°	12.0	10.2	10.2	10.2	12.0
147.5°	10.2	8.5	8.5	8.5	10.2
150°	8.5	6.8	6.8	6.8	8.5
152.5°	6.8	5.1	3.4	5.1	6.8
155°	5.1	5.1	1.7	3.4	5.1
157.5°	3.4	3.4	0.0	1.7	3.4
160°	1.7	1.7	0.0	1.7	1.7
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

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