

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: P384676

Luminaire Tested: **24ID-30-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384676
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-30-L840-CFD3
Description: 2X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

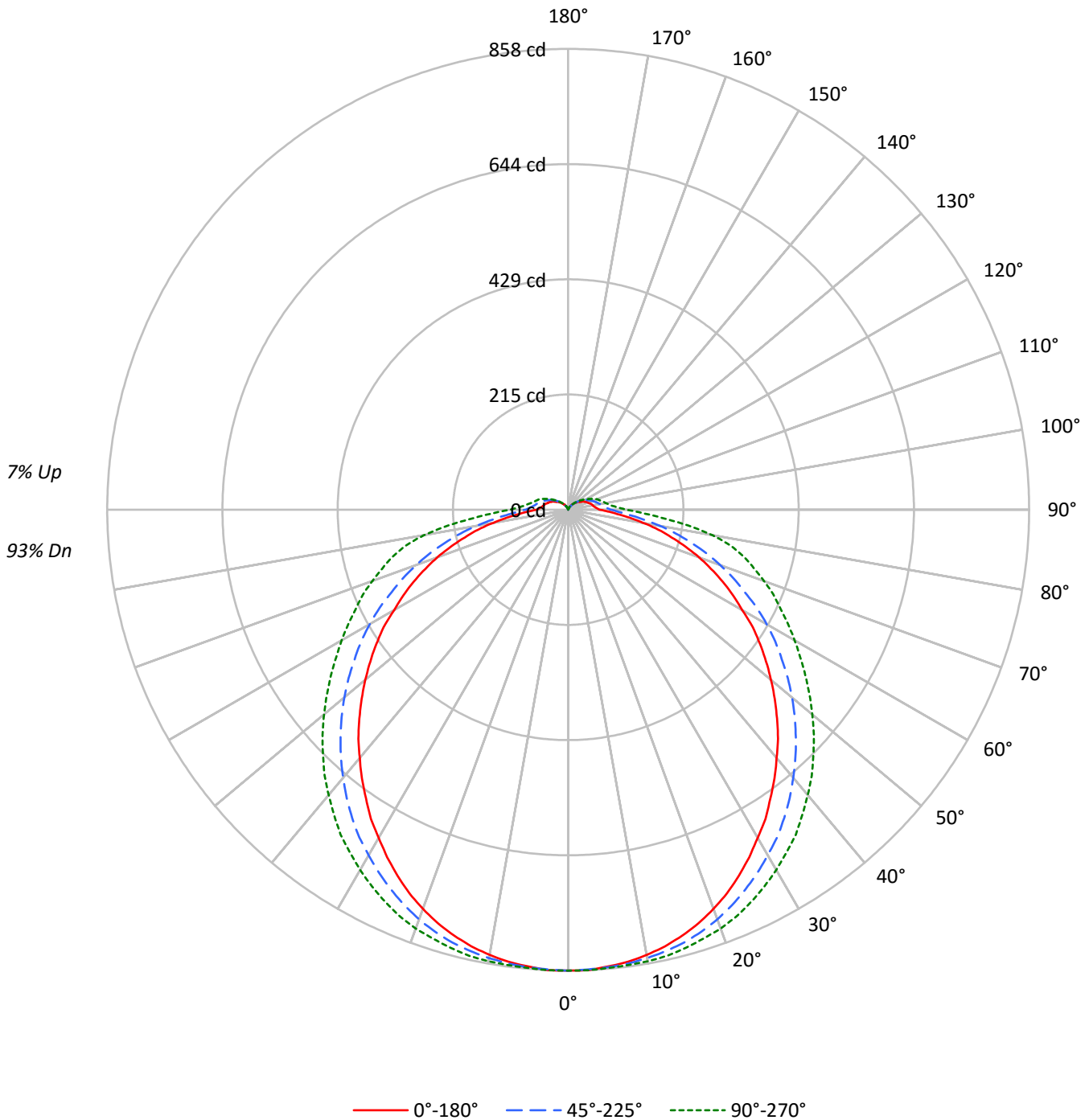
Lumens per Lamp: N/A
Luminaire Lumens: 3003.2 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 25.6
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°	1155	1155	1155
5°	1147	1142	1145
10°	1137	1132	1141
15°	1125	1122	1138
20°	1107	1109	1136
25°	1085	1091	1130
30°	1058	1072	1122
35°	1032	1053	1115
40°	1007	1030	1102
45°	984	1007	1092
50°	960	983	1081
55°	939	957	1073
60°	909	934	1077
65°	891	899	1094
70°	870	868	1136
75°	840	823	1200
80°	814	768	1236
85°	823	708	1114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	2.7
10°-20°	235.1	7.8
20°-30°	359.3	12.0
30°-40°	437.3	14.6
40°-50°	462.2	15.4
50°-60°	436.3	14.5
60°-70°	367.1	12.2
70°-80°	264.7	8.8
80°-90°	139.6	4.6
90°-100°	74.7	2.5
100°-110°	56.7	1.9
110°-120°	41.1	1.4
120°-130°	25.9	0.9
130°-140°	14.0	0.5
140°-150°	6.1	0.2
150°-160°	1.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	675.8	22.5
0°-40°	1113.1	37.1
0°-60°	2011.7	67.0
0°-90°	2783.0	92.7
90°-120°	172.6	5.7
90°-150°	218.5	7.3
90°-180°	220.0	7.3
0°-180°	3003.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	854	854	855	855	857	81
15°	821	824	834	840	845	231
25°	752	761	780	798	806	346
35°	656	671	701	728	738	411
45°	550	566	599	632	646	424
55°	436	455	485	521	539	390
65°	318	336	362	407	436	314
75°	199	216	237	283	338	211
85°	91	103	115	144	175	86
90°	58	69	79	94	108	33
95°	51	58	67	76	82	41
105°	43	48	54	60	63	45
115°	34	37	42	45	48	35
125°	26	26	30	30	32	23
135°	18	16	18	18	20	14
145°	10	9	9	9	10	7
155°	4	4	2	3	4	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°	858.2	858.2	858.2	858.2	858.2
2.5°	858.2	856.7	856.7	856.7	858.2
5°	853.7	853.7	855.2	855.2	856.7
7.5°	849.2	849.2	852.2	853.7	855.2
10°	841.7	843.2	847.7	850.7	853.7
12.5°	832.7	834.2	841.7	847.7	850.7
15°	820.8	823.8	834.2	840.2	844.7
17.5°	807.3	811.8	823.8	832.7	837.2
20°	790.8	796.8	811.8	823.8	829.8
22.5°	772.8	778.8	796.8	811.8	819.3
25°	751.9	760.9	780.3	798.3	805.8
27.5°	729.4	739.9	762.4	783.3	790.8
30°	705.4	717.4	742.9	765.3	774.3
32.5°	683.0	695.0	723.4	747.4	756.4
35°	656.0	671.0	700.9	727.9	738.4
37.5°	630.6	645.5	677.0	705.4	715.9
40°	603.6	618.6	651.5	683.0	693.5
42.5°	578.1	593.1	626.1	659.0	671.0
45°	549.7	566.1	599.1	632.0	645.5
47.5°	521.2	537.7	572.1	606.6	620.1
50°	492.8	510.7	543.7	578.1	593.1
52.5°	464.3	482.3	515.2	551.2	566.1
55°	435.8	455.3	485.3	521.2	539.2
57.5°	407.4	426.9	456.8	494.3	512.2
60°	374.4	396.9	426.9	465.8	486.8
62.5°	346.0	365.4	395.4	435.8	461.3
65°	317.5	335.5	362.5	407.4	435.8
67.5°	287.6	307.0	332.5	374.4	413.4
70°	259.1	275.6	301.0	344.5	387.9
72.5°	229.2	245.6	269.6	314.5	362.5
75°	199.2	215.7	236.6	283.1	338.5
77.5°	172.2	185.7	205.2	250.1	310.0
80°	142.3	155.8	173.7	214.2	272.6
82.5°	115.3	127.3	142.3	178.2	224.7
85°	91.4	103.3	115.3	143.8	175.2
87.5°	73.4	82.4	94.4	115.3	136.3
90°	58.4	68.9	79.4	94.4	107.8
92.5°	53.9	62.9	71.9	83.9	92.9
95°	50.9	58.4	67.4	76.4	82.4
97.5°	47.9	55.4	62.9	71.9	76.4
100°	46.4	52.4	59.9	67.4	70.4
102.5°	44.9	49.4	56.9	62.9	67.4
105°	43.4	47.9	53.9	59.9	62.9
107.5°	40.4	44.9	50.9	56.9	59.9
110°	38.9	41.9	47.9	52.4	56.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.4	40.4	44.9	49.4	52.4
115°	34.4	37.4	41.9	44.9	47.9
117.5°	33.0	34.4	38.9	40.4	43.4
120°	30.0	31.5	35.9	37.4	38.9
122.5°	27.0	28.5	33.0	33.0	35.9
125°	25.5	25.5	30.0	30.0	31.5
127.5°	24.0	24.0	27.0	27.0	28.5
130°	21.0	21.0	24.0	24.0	24.0
132.5°	19.5	18.0	21.0	21.0	22.5
135°	18.0	16.5	18.0	18.0	19.5
137.5°	15.0	15.0	16.5	15.0	16.5
140°	13.5	12.0	13.5	13.5	15.0
142.5°	12.0	10.5	12.0	10.5	12.0
145°	10.5	9.0	9.0	9.0	10.5
147.5°	9.0	7.5	7.5	7.5	9.0
150°	7.5	6.0	6.0	6.0	7.5
152.5°	6.0	4.5	3.0	4.5	6.0
155°	4.5	4.5	1.5	3.0	4.5
157.5°	3.0	3.0	0.0	1.5	3.0
160°	1.5	1.5	0.0	1.5	1.5
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)