

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: P384569

Luminaire Tested: **14ID-30-L850-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384569  
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-30-L850-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

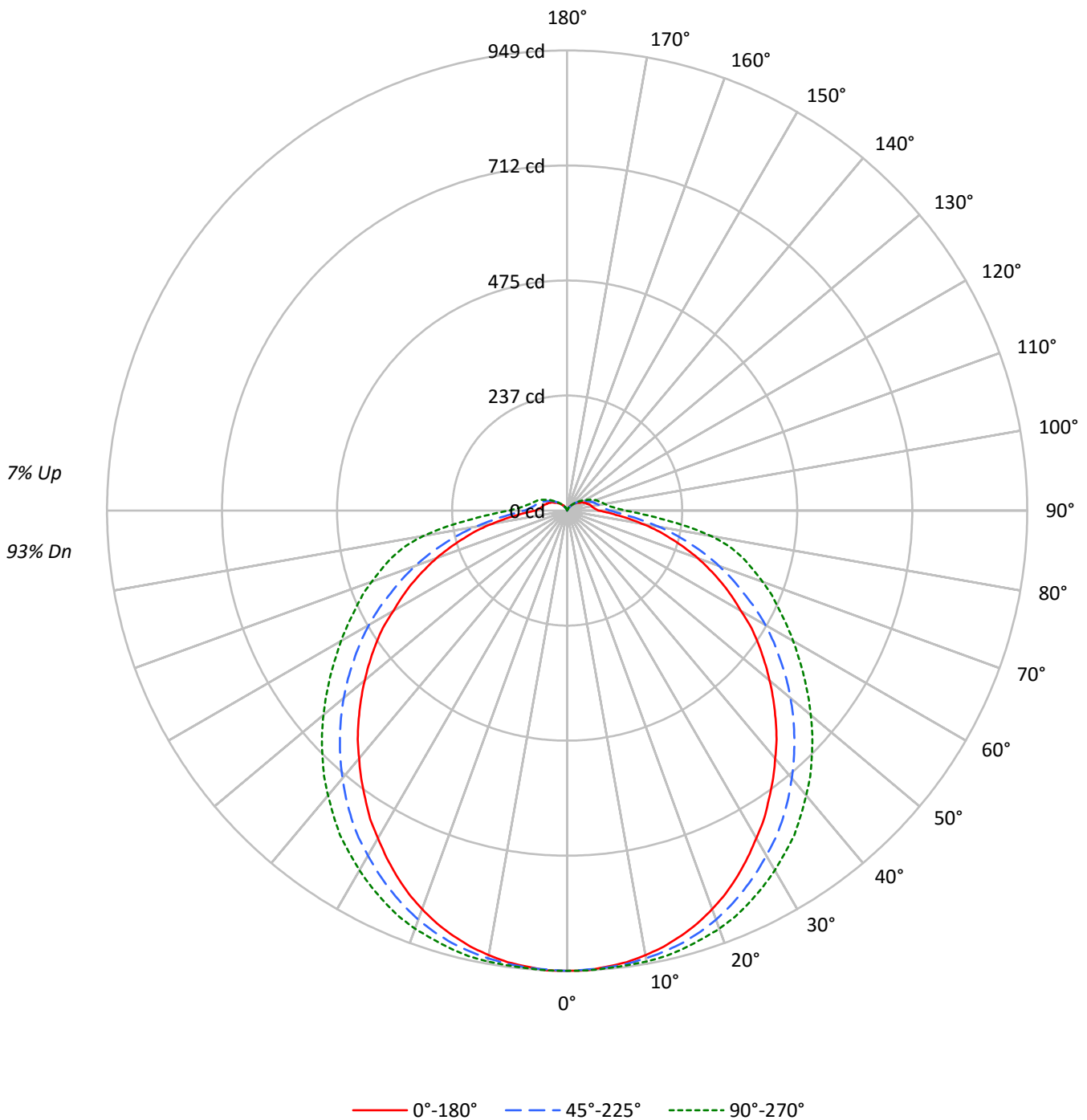
Lumens per Lamp: N/A  
Luminaire Lumens: 3321.6 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P384569  
CATALOG NUMBER: 14ID-30-L850-CFD3

### 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°	2554	2554	2554
5°	2537	2507	2505
10°	2516	2466	2471
15°	2487	2427	2439
20°	2449	2380	2409
25°	2399	2323	2370
30°	2340	2264	2325
35°	2284	2206	2283
40°	2228	2135	2227
45°	2177	2065	2174
50°	2123	1993	2116
55°	2076	1914	2062
60°	2011	1838	2022
65°	1972	1732	1998
70°	1924	1630	2001
75°	1857	1491	2014
80°	1801	1322	1932
85°	1819	1117	1551



TEST NUMBER: P384569

CATALOG NUMBER: 14ID-30-L850-CFD3

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	2.7
10°-20°	260.1	7.8
20°-30°	397.4	12.0
30°-40°	483.7	14.6
40°-50°	511.2	15.4
50°-60°	482.6	14.5
60°-70°	406.0	12.2
70°-80°	292.7	8.8
80°-90°	154.4	4.6
90°-100°	82.6	2.5
100°-110°	62.8	1.9
110°-120°	45.5	1.4
120°-130°	28.6	0.9
130°-140°	15.4	0.5
140°-150°	6.7	0.2
150°-160°	1.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	747.4	22.5
0°-40°	1231.1	37.1
0°-60°	2225.0	67.0
0°-90°	3078.1	92.7
90°-120°	190.9	5.7
90°-150°	241.7	7.3
90°-180°	244.0	7.3
0°-180°	3321.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	949	949	949	949	949	
5°	944	944	946	946	948	90
15°	908	911	923	929	934	256
25°	832	842	863	883	891	383
35°	726	742	775	805	817	454
45°	608	626	663	699	714	469
55°	482	504	537	576	596	431
65°	351	371	401	451	482	347
75°	220	238	262	313	374	234
85°	101	114	128	159	194	95
90°	65	76	88	104	119	37
95°	56	65	74	84	91	45
105°	48	53	60	66	70	50
115°	38	41	46	50	53	38
125°	28	28	33	33	35	25
135°	20	18	20	20	22	15
145°	12	10	10	10	12	7
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



TEST NUMBER: P384569

CATALOG NUMBER: 14ID-30-L850-CFD3

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	949.2	949.2	949.2	949.2	949.2
2.5°	949.2	947.5	947.5	947.5	949.2
5°	944.2	944.2	945.9	945.9	947.5
7.5°	939.3	939.3	942.6	944.2	945.9
10°	931.0	932.6	937.6	940.9	944.2
12.5°	921.0	922.7	931.0	937.6	940.9
15°	907.8	911.1	922.7	929.3	934.3
17.5°	892.9	897.8	911.1	921.0	926.0
20°	874.7	881.3	897.8	911.1	917.7
22.5°	854.8	861.4	881.3	897.8	906.1
25°	831.6	841.5	863.1	882.9	891.2
27.5°	806.7	818.3	843.2	866.4	874.7
30°	780.2	793.5	821.6	846.5	856.4
32.5°	755.4	768.6	800.1	826.6	836.6
35°	725.6	742.1	775.3	805.1	816.7
37.5°	697.4	714.0	748.8	780.2	791.8
40°	667.6	684.1	720.6	755.4	767.0
42.5°	639.4	656.0	692.4	728.9	742.1
45°	607.9	626.2	662.6	699.1	714.0
47.5°	576.5	594.7	632.8	670.9	685.8
50°	545.0	564.9	601.3	639.4	656.0
52.5°	513.5	533.4	569.8	609.6	626.2
55°	482.1	503.6	536.7	576.5	596.4
57.5°	450.6	472.1	505.2	546.7	566.5
60°	414.1	439.0	472.1	515.2	538.4
62.5°	382.7	404.2	437.3	482.1	510.2
65°	351.2	371.1	400.9	450.6	482.1
67.5°	318.1	339.6	367.8	414.1	457.2
70°	286.6	304.8	333.0	381.0	429.0
72.5°	253.5	271.7	298.2	347.9	400.9
75°	220.3	238.5	261.7	313.1	374.4
77.5°	190.5	205.4	226.9	276.6	342.9
80°	157.4	172.3	192.2	236.9	301.5
82.5°	127.6	140.8	157.4	197.1	248.5
85°	101.0	114.3	127.6	159.0	193.8
87.5°	81.2	91.1	104.4	127.6	150.7
90°	64.6	76.2	87.8	104.4	119.3
92.5°	59.6	69.6	79.5	92.8	102.7
95°	56.3	64.6	74.5	84.5	91.1
97.5°	53.0	61.3	69.6	79.5	84.5
100°	51.4	58.0	66.3	74.5	77.9
102.5°	49.7	54.7	62.9	69.6	74.5
105°	48.0	53.0	59.6	66.3	69.6
107.5°	44.7	49.7	56.3	62.9	66.3
110°	43.1	46.4	53.0	58.0	62.9



TEST NUMBER: P384569

CATALOG NUMBER: 14ID-30-L850-CFD3

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	41.4	44.7	49.7	54.7	58.0
115°	38.1	41.4	46.4	49.7	53.0
117.5°	36.4	38.1	43.1	44.7	48.0
120°	33.1	34.8	39.8	41.4	43.1
122.5°	29.8	31.5	36.4	36.4	39.8
125°	28.2	28.2	33.1	33.1	34.8
127.5°	26.5	26.5	29.8	29.8	31.5
130°	23.2	23.2	26.5	26.5	26.5
132.5°	21.5	19.9	23.2	23.2	24.8
135°	19.9	18.2	19.9	19.9	21.5
137.5°	16.6	16.6	18.2	16.6	18.2
140°	14.9	13.3	14.9	14.9	16.6
142.5°	13.3	11.6	13.3	11.6	13.3
145°	11.6	9.9	9.9	9.9	11.6
147.5°	9.9	8.3	8.3	8.3	9.9
150°	8.3	6.6	6.6	6.6	8.3
152.5°	6.6	5.0	3.3	5.0	6.6
155°	5.0	5.0	1.7	3.3	5.0
157.5°	3.3	3.3	0.0	1.7	3.3
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

(END OF REPORT)