

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: P384570

Luminaire Tested: **14ID-35-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384570
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-L830-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

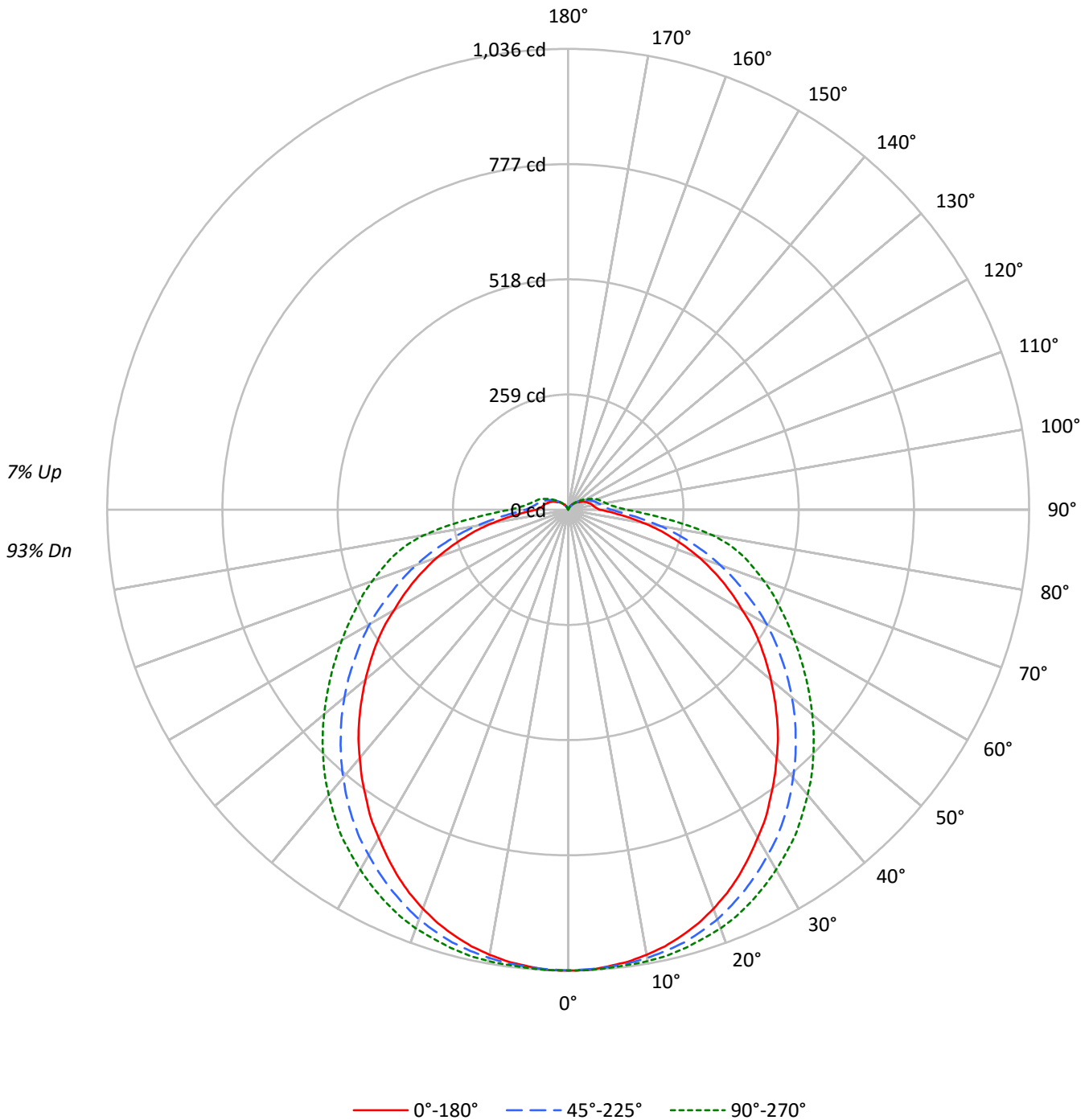
Lumens per Lamp: N/A
Luminaire Lumens: 3625.0 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

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



TEST NUMBER: P384570
CATALOG NUMBER: 14ID-35-L830-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°	2788	2788	2788
5°	2769	2736	2734
10°	2746	2691	2697
15°	2715	2649	2662
20°	2673	2597	2629
25°	2618	2535	2586
30°	2554	2471	2538
35°	2492	2407	2492
40°	2432	2330	2430
45°	2376	2254	2372
50°	2317	2174	2309
55°	2266	2089	2250
60°	2195	2005	2207
65°	2152	1890	2181
70°	2100	1779	2184
75°	2027	1627	2198
80°	1964	1442	2109
85°	1986	1219	1693



TEST NUMBER: P384570

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	2.7
10°-20°	283.8	7.8
20°-30°	433.7	12.0
30°-40°	527.9	14.6
40°-50°	557.9	15.4
50°-60°	526.7	14.5
60°-70°	443.1	12.2
70°-80°	319.4	8.8
80°-90°	168.5	4.6
90°-100°	90.2	2.5
100°-110°	68.5	1.9
110°-120°	49.7	1.4
120°-130°	31.2	0.9
130°-140°	16.9	0.5
140°-150°	7.4	0.2
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	815.7	22.5
0°-40°	1343.6	37.1
0°-60°	2428.2	67.0
0°-90°	3359.2	92.7
90°-120°	208.4	5.7
90°-150°	263.8	7.3
90°-180°	266.0	7.3
0°-180°	3625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1036	1036	1036	1036	1036	
5°	1030	1030	1032	1032	1034	98
15°	991	994	1007	1014	1020	279
25°	908	918	942	964	973	418
35°	792	810	846	879	891	496
45°	664	683	723	763	779	512
55°	526	550	586	629	651	470
65°	383	405	438	492	526	379
75°	240	260	286	342	409	255
85°	110	125	139	174	212	103
90°	70	83	96	114	130	40
95°	62	70	81	92	99	49
105°	52	58	65	72	76	55
115°	42	45	51	54	58	42
125°	31	31	36	36	38	28
135°	22	20	22	22	24	16
145°	13	11	11	11	13	8
155°	5	5	2	4	5	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384570

CATALOG NUMBER: 14ID-35-L830-CFD3

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1035.9	1035.9	1035.9	1035.9	1035.9
2.5°	1035.9	1034.1	1034.1	1034.1	1035.9
5°	1030.5	1030.5	1032.3	1032.3	1034.1
7.5°	1025.0	1025.0	1028.7	1030.5	1032.3
10°	1016.0	1017.8	1023.2	1026.9	1030.5
12.5°	1005.2	1007.0	1016.0	1023.2	1026.9
15°	990.7	994.3	1007.0	1014.2	1019.6
17.5°	974.4	979.9	994.3	1005.2	1010.6
20°	954.5	961.8	979.9	994.3	1001.5
22.5°	932.8	940.1	961.8	979.9	988.9
25°	907.5	918.4	941.9	963.6	972.6
27.5°	880.4	893.1	920.2	945.5	954.5
30°	851.5	866.0	896.7	923.8	934.7
32.5°	824.4	838.8	873.2	902.1	913.0
35°	791.8	809.9	846.1	878.6	891.3
37.5°	761.1	779.2	817.1	851.5	864.2
40°	728.6	746.6	786.4	824.4	837.0
42.5°	697.8	715.9	755.7	795.5	809.9
45°	663.5	683.4	723.1	762.9	779.2
47.5°	629.1	649.0	690.6	732.2	748.4
50°	594.8	616.5	656.2	697.8	715.9
52.5°	560.4	582.1	621.9	665.3	683.4
55°	526.1	549.6	585.7	629.1	650.8
57.5°	491.7	515.2	551.4	596.6	618.3
60°	452.0	479.1	515.2	562.2	587.6
62.5°	417.6	441.1	477.3	526.1	556.8
65°	383.3	405.0	437.5	491.7	526.1
67.5°	347.1	370.6	401.3	452.0	499.0
70°	312.8	332.6	363.4	415.8	468.2
72.5°	276.6	296.5	325.4	379.6	437.5
75°	240.4	260.3	285.6	341.7	408.6
77.5°	207.9	224.2	247.7	301.9	374.2
80°	171.7	188.0	209.7	258.5	329.0
82.5°	139.2	153.7	171.7	215.1	271.2
85°	110.3	124.7	139.2	173.6	211.5
87.5°	88.6	99.4	113.9	139.2	164.5
90°	70.5	83.2	95.8	113.9	130.2
92.5°	65.1	75.9	86.8	101.2	112.1
95°	61.5	70.5	81.4	92.2	99.4
97.5°	57.9	66.9	75.9	86.8	92.2
100°	56.0	63.3	72.3	81.4	85.0
102.5°	54.2	59.7	68.7	75.9	81.4
105°	52.4	57.9	65.1	72.3	75.9
107.5°	48.8	54.2	61.5	68.7	72.3
110°	47.0	50.6	57.9	63.3	68.7



TEST NUMBER: P384570

CATALOG NUMBER: 14ID-35-L830-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.2	48.8	54.2	59.7	63.3
115°	41.6	45.2	50.6	54.2	57.9
117.5°	39.8	41.6	47.0	48.8	52.4
120°	36.2	38.0	43.4	45.2	47.0
122.5°	32.5	34.3	39.8	39.8	43.4
125°	30.7	30.7	36.2	36.2	38.0
127.5°	28.9	28.9	32.5	32.5	34.3
130°	25.3	25.3	28.9	28.9	28.9
132.5°	23.5	21.7	25.3	25.3	27.1
135°	21.7	19.9	21.7	21.7	23.5
137.5°	18.1	18.1	19.9	18.1	19.9
140°	16.3	14.5	16.3	16.3	18.1
142.5°	14.5	12.7	14.5	12.7	14.5
145°	12.7	10.8	10.8	10.8	12.7
147.5°	10.8	9.0	9.0	9.0	10.8
150°	9.0	7.2	7.2	7.2	9.0
152.5°	7.2	5.4	3.6	5.4	7.2
155°	5.4	5.4	1.8	3.6	5.4
157.5°	3.6	3.6	0.0	1.8	3.6
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)