

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: P383725

Luminaire Tested: **14ID-25-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-25-L850-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

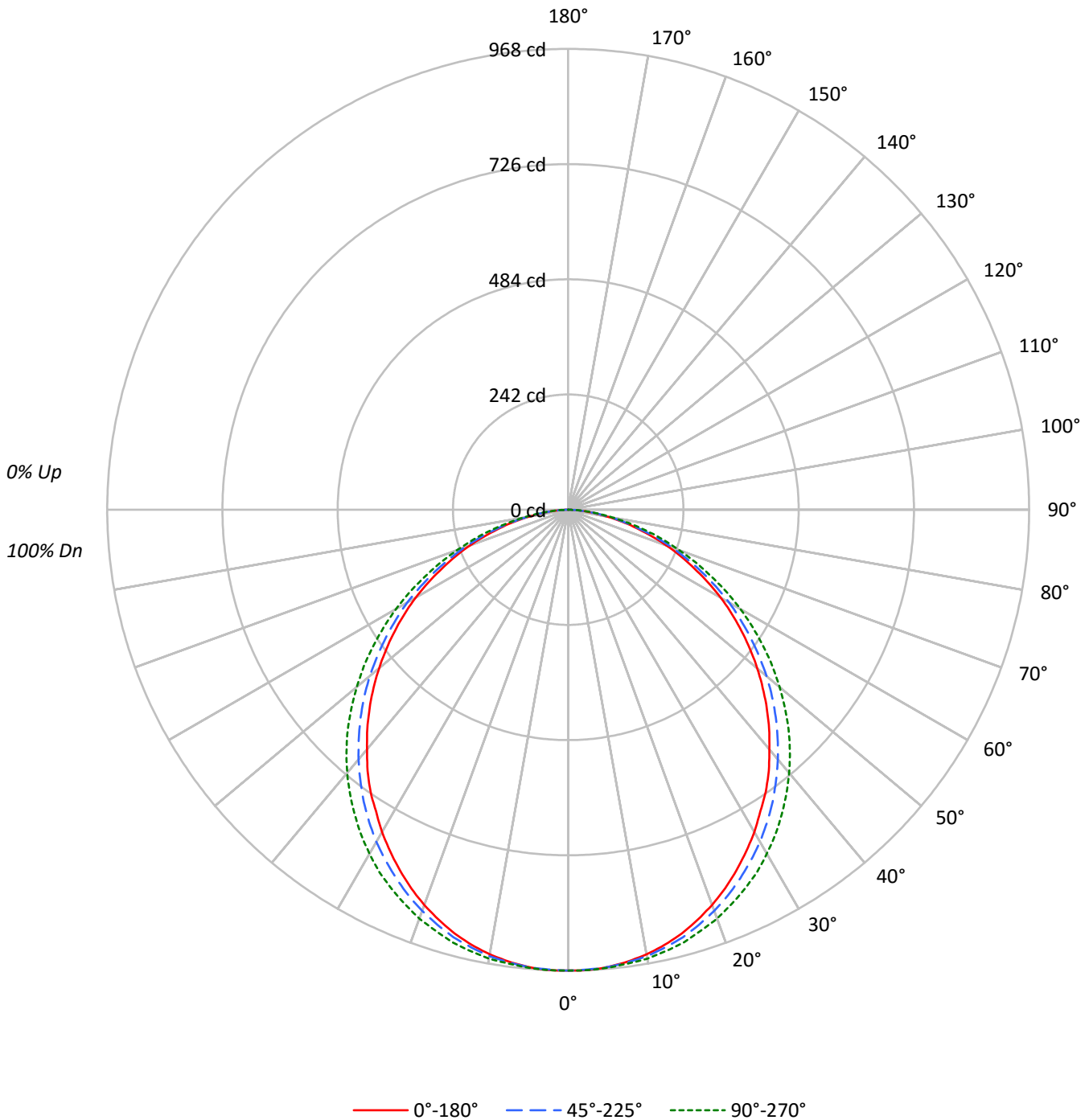
Lumens per Lamp: N/A
Luminaire Lumens: 2629.3 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
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: P383725
CATALOG NUMBER: 14ID-25-L850-CFR1

Luminous Intensity Polar Plot





TEST NUMBER: P383725

CATALOG NUMBER: 14ID-25-L850-CFR1

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2605	2605	2605
5°	2605	2605	2608
10°	2591	2602	2616
15°	2568	2590	2620
20°	2530	2568	2617
25°	2482	2537	2608
30°	2429	2503	2593
35°	2377	2459	2568
40°	2309	2407	2537
45°	2245	2345	2492
50°	2171	2276	2425
55°	2085	2190	2345
60°	1993	2100	2249
65°	1861	1971	2105
70°	1727	1821	1946
75°	1540	1623	1760
80°	1291	1353	1475
85°	979	979	1102



TEST NUMBER: P383725

CATALOG NUMBER: 14ID-25-L850-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.5
10°-20°	262.2	10.0
20°-30°	394.2	15.0
30°-40°	469.0	17.8
40°-50°	477.2	18.1
50°-60°	420.0	16.0
60°-70°	308.1	11.7
70°-80°	167.2	6.4
80°-90°	39.9	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	748.0	28.4
0°-40°	1217.0	46.3
0°-60°	2114.1	80.4
0°-90°	2629.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2629.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	964	963	964	964	966	92
15°	922	923	930	935	940	260
25°	836	841	854	869	878	385
35°	724	729	749	771	782	452
45°	590	595	616	643	655	455
55°	444	451	467	489	500	397
65°	292	298	310	323	331	290
75°	148	151	156	164	169	157
85°	32	32	32	34	36	38
90°	0	0	0	0	0	



TEST NUMBER: P383725

CATALOG NUMBER: 14ID-25-L850-CFR1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	968.1	968.1	968.1	968.1	968.1
2.5°	968.1	966.8	966.8	966.8	968.1
5°	964.2	962.8	964.2	964.2	965.5
7.5°	957.5	956.2	958.9	960.2	961.5
10°	948.3	948.3	952.3	954.9	957.5
12.5°	936.4	937.7	941.7	945.6	949.6
15°	921.8	923.2	929.8	935.1	940.4
17.5°	903.3	906.0	913.9	921.8	927.1
20°	883.5	887.5	896.7	907.3	913.9
22.5°	861.0	866.3	876.9	890.1	896.7
25°	835.9	841.2	854.4	868.9	878.2
27.5°	809.4	816.0	830.6	847.8	858.4
30°	781.6	788.3	805.5	824.0	834.5
32.5°	751.2	759.2	777.7	798.8	809.4
35°	723.5	728.7	748.6	771.1	781.6
37.5°	691.7	698.3	716.8	740.6	752.5
40°	657.3	663.9	685.1	708.9	722.1
42.5°	624.3	629.5	650.7	677.2	689.1
45°	589.9	595.2	616.3	642.8	654.7
47.5°	554.2	560.8	580.6	605.7	617.6
50°	518.5	523.7	543.6	567.4	579.3
52.5°	481.4	486.7	505.2	529.0	540.9
55°	444.4	451.0	466.9	489.4	499.9
57.5°	407.4	414.0	428.5	449.7	458.9
60°	370.3	375.6	390.2	408.7	417.9
62.5°	330.6	334.6	349.2	367.7	375.6
65°	292.3	297.6	309.5	322.7	330.6
67.5°	256.6	259.2	269.8	284.4	289.6
70°	219.5	222.2	231.5	243.4	247.3
72.5°	182.5	186.5	193.1	203.7	209.0
75°	148.1	150.8	156.1	164.0	169.3
77.5°	115.1	116.4	120.4	127.0	130.9
80°	83.3	84.6	87.3	92.6	95.2
82.5°	55.5	56.9	58.2	60.8	63.5
85°	31.7	31.7	31.7	34.4	35.7
87.5°	11.9	10.6	10.6	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)