

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: P383723

Luminaire Tested: **14ID-25-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383723
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-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

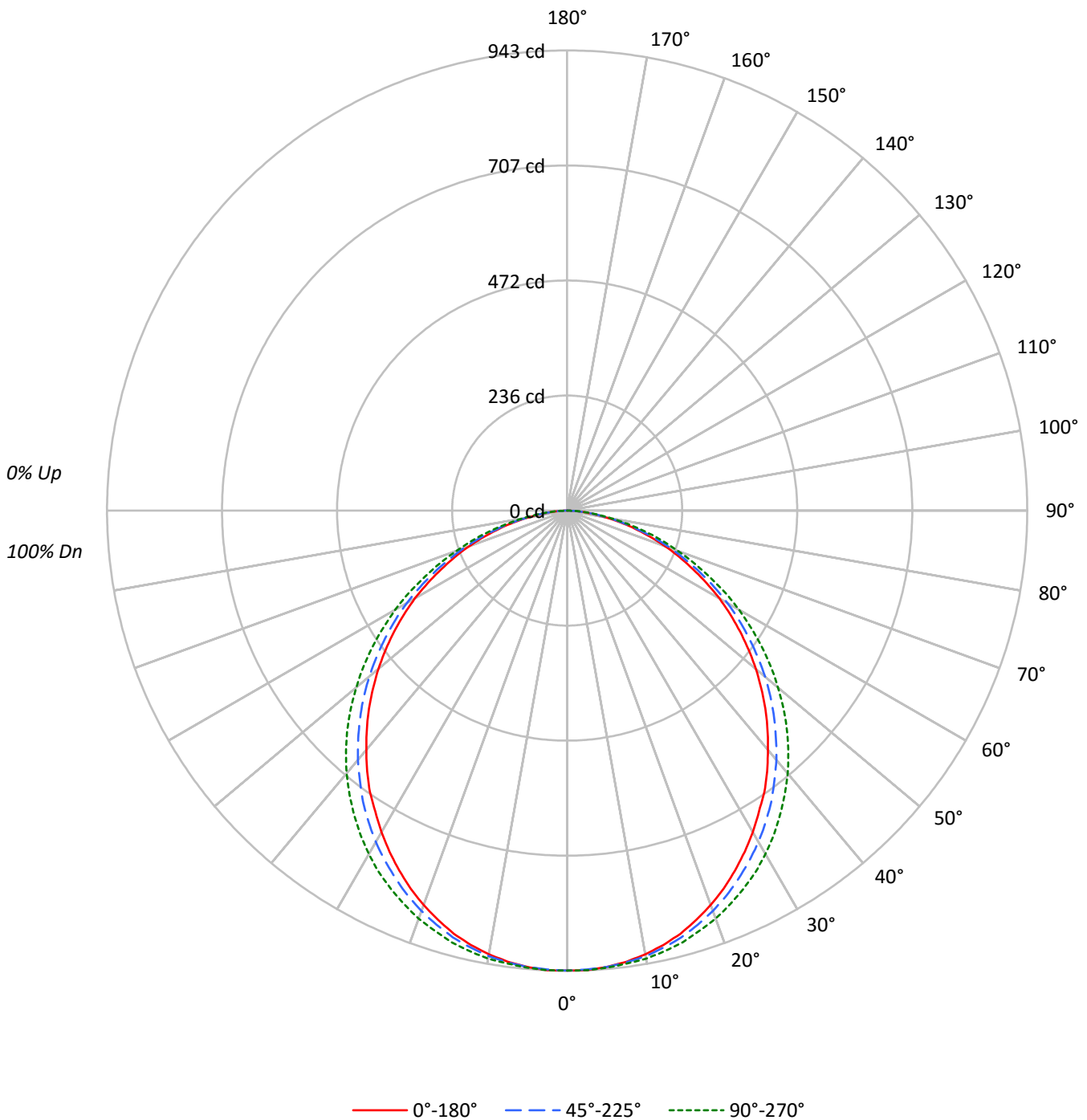
Lumens per Lamp: N/A
Luminaire Lumens: 2560.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P383723
CATALOG NUMBER: 14ID-25-L835-CFR1

Luminous Intensity Polar Plot





TEST NUMBER: P383723

CATALOG NUMBER: 14ID-25-L835-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°	2537	2537	2537
5°	2536	2536	2539
10°	2523	2534	2548
15°	2500	2522	2551
20°	2463	2500	2548
25°	2416	2470	2539
30°	2365	2437	2525
35°	2314	2394	2500
40°	2248	2343	2470
45°	2186	2284	2426
50°	2113	2216	2361
55°	2030	2133	2284
60°	1941	2045	2190
65°	1812	1918	2050
70°	1682	1773	1895
75°	1499	1580	1713
80°	1257	1317	1437
85°	954	954	1074



TEST NUMBER: P383723

CATALOG NUMBER: 14ID-25-L835-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	3.5
10°-20°	255.3	10.0
20°-30°	383.8	15.0
30°-40°	456.6	17.8
40°-50°	464.6	18.1
50°-60°	408.9	16.0
60°-70°	299.9	11.7
70°-80°	162.8	6.4
80°-90°	38.8	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°	728.3	28.4
0°-40°	1184.9	46.3
0°-60°	2058.4	80.4
0°-90°	2560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	939	938	939	939	940	89
15°	898	899	905	910	916	253
25°	814	819	832	846	855	375
35°	704	710	729	751	761	440
45°	574	580	600	626	637	443
55°	433	439	455	476	487	387
65°	285	290	301	314	322	283
75°	144	147	152	160	165	153
85°	31	31	31	34	35	37
90°	0	0	0	0	0	



TEST NUMBER: P383723

CATALOG NUMBER: 14ID-25-L835-CFR1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	942.6	942.6	942.6	942.6	942.6
2.5°	942.6	941.3	941.3	941.3	942.6
5°	938.7	937.5	938.7	938.7	940.0
7.5°	932.3	931.0	933.6	934.9	936.2
10°	923.3	923.3	927.2	929.7	932.3
12.5°	911.7	913.0	916.9	920.7	924.6
15°	897.5	898.8	905.3	910.4	915.6
17.5°	879.5	882.1	889.8	897.5	902.7
20°	860.2	864.1	873.1	883.4	889.8
22.5°	838.3	843.5	853.8	866.6	873.1
25°	813.8	819.0	831.9	846.0	855.0
27.5°	788.1	794.5	808.7	825.4	835.7
30°	761.0	767.5	784.2	802.3	812.6
32.5°	731.4	739.2	757.2	777.8	788.1
35°	704.4	709.5	728.9	750.7	761.0
37.5°	673.5	679.9	697.9	721.1	732.7
40°	640.0	646.4	667.0	690.2	703.1
42.5°	607.8	613.0	633.6	659.3	670.9
45°	574.3	579.5	600.1	625.8	637.4
47.5°	539.6	546.0	565.3	589.8	601.4
50°	504.8	509.9	529.3	552.4	564.0
52.5°	468.7	473.9	491.9	515.1	526.7
55°	432.7	439.1	454.6	476.5	486.8
57.5°	396.6	403.1	417.2	437.8	446.8
60°	360.6	365.7	379.9	397.9	406.9
62.5°	321.9	325.8	340.0	358.0	365.7
65°	284.6	289.7	301.3	314.2	321.9
67.5°	249.8	252.4	262.7	276.9	282.0
70°	213.8	216.3	225.4	236.9	240.8
72.5°	177.7	181.6	188.0	198.3	203.5
75°	144.2	146.8	152.0	159.7	164.8
77.5°	112.0	113.3	117.2	123.6	127.5
80°	81.1	82.4	85.0	90.1	92.7
82.5°	54.1	55.4	56.7	59.2	61.8
85°	30.9	30.9	30.9	33.5	34.8
87.5°	11.6	10.3	10.3	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)