

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: P383722

Luminaire Tested: **14ID-25-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383722
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-L830-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

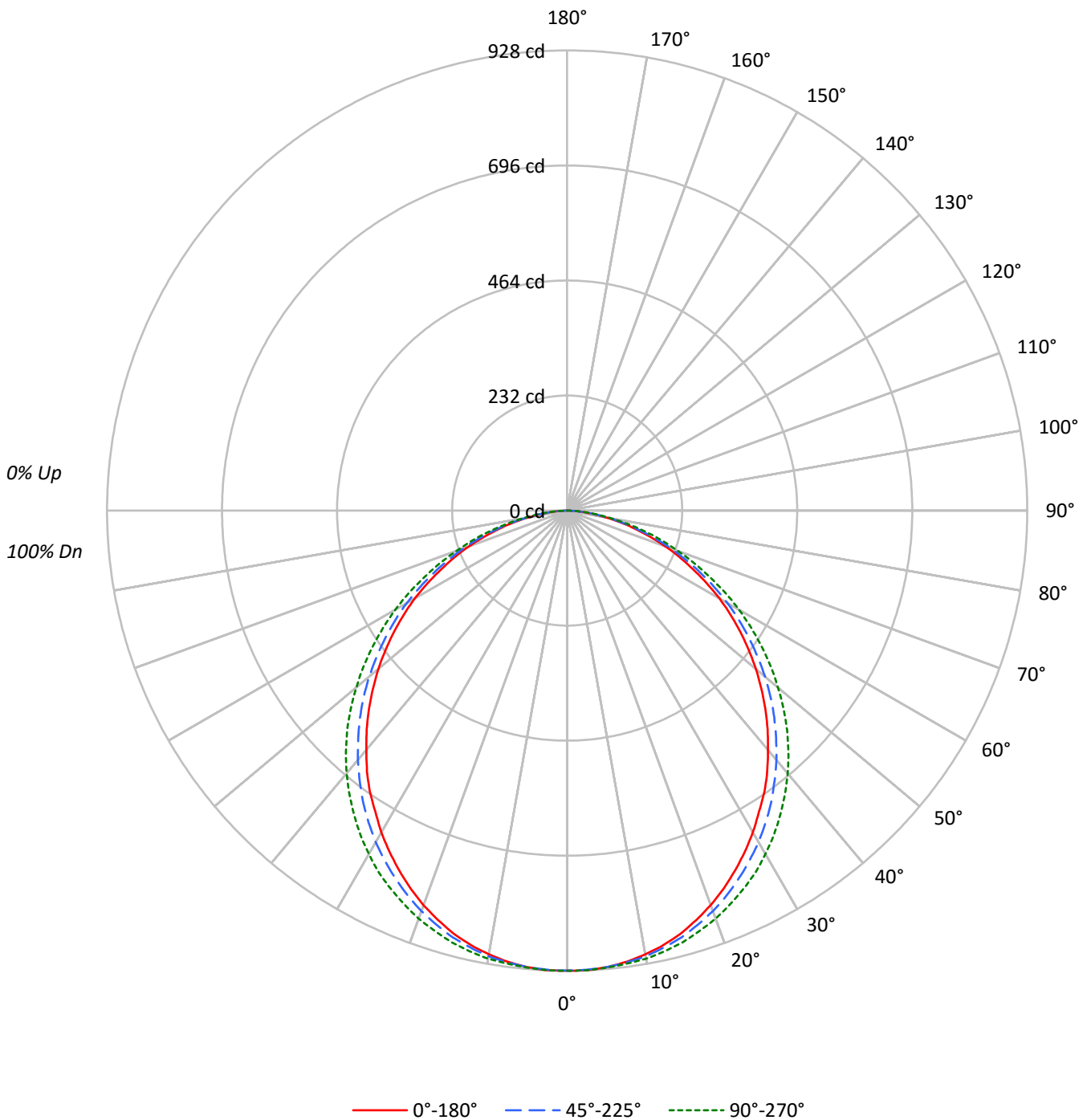
Lumens per Lamp: N/A
Luminaire Lumens: 2520.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	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°	2497	2497	2497
5°	2496	2496	2499
10°	2484	2494	2508
15°	2461	2483	2511
20°	2425	2461	2508
25°	2379	2431	2499
30°	2328	2399	2486
35°	2278	2357	2461
40°	2213	2307	2431
45°	2152	2248	2388
50°	2080	2181	2324
55°	1998	2099	2248
60°	1910	2012	2156
65°	1784	1889	2018
70°	1655	1745	1865
75°	1476	1555	1687
80°	1238	1297	1415
85°	939	939	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	3.5
10°-20°	251.3	10.0
20°-30°	377.8	15.0
30°-40°	449.5	17.8
40°-50°	457.4	18.1
50°-60°	402.5	16.0
60°-70°	295.2	11.7
70°-80°	160.3	6.4
80°-90°	38.2	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°	716.9	28.4
0°-40°	1166.4	46.3
0°-60°	2026.3	80.4
0°-90°	2520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	924	923	924	924	925	88
15°	884	885	891	896	901	249
25°	801	806	819	833	842	369
35°	693	698	718	739	749	433
45°	565	570	591	616	628	436
55°	426	432	448	469	479	381
65°	280	285	297	309	317	278
75°	142	144	150	157	162	151
85°	30	30	30	33	34	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	927.9	927.9	927.9	927.9	927.9
2.5°	927.9	926.6	926.6	926.6	927.9
5°	924.1	922.8	924.1	924.1	925.3
7.5°	917.7	916.5	919.0	920.3	921.5
10°	908.9	908.9	912.7	915.2	917.7
12.5°	897.5	898.7	902.5	906.3	910.1
15°	883.5	884.8	891.1	896.2	901.3
17.5°	865.8	868.3	875.9	883.5	888.6
20°	846.8	850.6	859.4	869.6	875.9
22.5°	825.2	830.3	840.4	853.1	859.4
25°	801.1	806.2	818.9	832.8	841.7
27.5°	775.8	782.1	796.1	812.5	822.7
30°	749.2	755.5	772.0	789.7	799.9
32.5°	720.0	727.6	745.4	765.6	775.8
35°	693.4	698.4	717.5	739.0	749.2
37.5°	663.0	669.3	687.0	709.9	721.3
40°	630.0	636.3	656.6	679.4	692.1
42.5°	598.3	603.4	623.7	649.0	660.4
45°	565.4	570.4	590.7	616.1	627.5
47.5°	531.1	537.5	556.5	580.6	592.0
50°	496.9	502.0	521.0	543.8	555.2
52.5°	461.4	466.5	484.2	507.0	518.4
55°	425.9	432.3	447.5	469.0	479.2
57.5°	390.4	396.8	410.7	431.0	439.9
60°	354.9	360.0	373.9	391.7	400.6
62.5°	316.9	320.7	334.6	352.4	360.0
65°	280.1	285.2	296.6	309.3	316.9
67.5°	245.9	248.5	258.6	272.5	277.6
70°	210.4	213.0	221.8	233.2	237.0
72.5°	174.9	178.7	185.1	195.2	200.3
75°	142.0	144.5	149.6	157.2	162.3
77.5°	110.3	111.5	115.4	121.7	125.5
80°	79.9	81.1	83.7	88.7	91.3
82.5°	53.2	54.5	55.8	58.3	60.8
85°	30.4	30.4	30.4	33.0	34.2
87.5°	11.4	10.1	10.1	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)