

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: P383782

Luminaire Tested: **22ID-30-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383782
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: 22ID-30-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

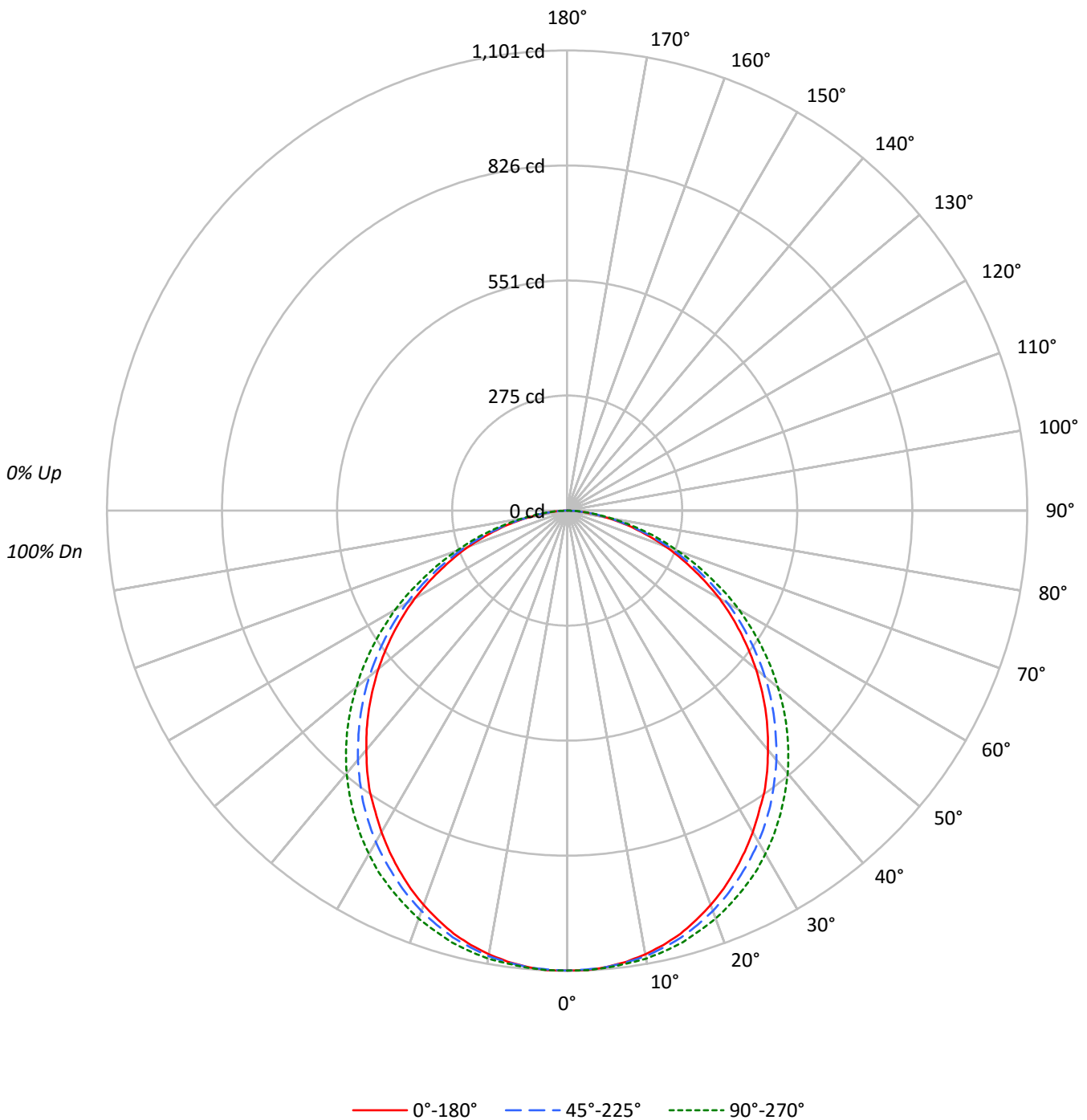
Lumens per Lamp: N/A
Luminaire Lumens: 2989.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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°	2962	2962	2962
5°	2961	2961	2965
10°	2946	2958	2974
15°	2920	2945	2978
20°	2876	2919	2975
25°	2821	2884	2964
30°	2761	2845	2948
35°	2702	2796	2919
40°	2625	2736	2884
45°	2552	2666	2832
50°	2467	2587	2757
55°	2370	2490	2666
60°	2266	2387	2557
65°	2116	2240	2394
70°	1964	2070	2212
75°	1751	1844	2001
80°	1468	1537	1678
85°	1115	1115	1254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.5
10°-20°	298.1	10.0
20°-30°	448.2	15.0
30°-40°	533.1	17.8
40°-50°	542.5	18.1
50°-60°	477.4	16.0
60°-70°	350.2	11.7
70°-80°	190.1	6.4
80°-90°	45.4	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°	850.4	28.5
0°-40°	1383.5	46.3
0°-60°	2403.3	80.4
0°-90°	2989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1096	1095	1096	1096	1098	104
15°	1048	1050	1057	1063	1069	295
25°	950	956	971	988	998	438
35°	822	828	851	877	889	514
45°	671	677	701	731	744	517
55°	505	513	531	556	568	452
65°	332	338	352	367	376	330
75°	168	171	177	186	192	179
85°	36	36	36	39	41	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.6	1100.6	1100.6	1100.6	1100.6
2.5°	1100.6	1099.1	1099.1	1099.1	1100.6
5°	1096.1	1094.6	1096.1	1096.1	1097.6
7.5°	1088.5	1087.0	1090.0	1091.6	1093.1
10°	1078.0	1078.0	1082.5	1085.5	1088.5
12.5°	1064.5	1066.0	1070.5	1075.0	1079.5
15°	1048.0	1049.5	1057.0	1063.0	1069.0
17.5°	1026.9	1029.9	1038.9	1048.0	1054.0
20°	1004.3	1008.9	1019.4	1031.4	1038.9
22.5°	978.8	984.8	996.8	1011.9	1019.4
25°	950.2	956.2	971.3	987.8	998.3
27.5°	920.2	927.7	944.2	963.8	975.8
30°	888.6	896.1	915.6	936.7	948.7
32.5°	854.0	863.0	884.1	908.1	920.2
35°	822.4	828.4	851.0	876.6	888.6
37.5°	786.3	793.9	814.9	842.0	855.5
40°	747.2	754.8	778.8	805.9	820.9
42.5°	709.7	715.7	739.7	769.8	783.3
45°	670.6	676.6	700.6	730.7	744.2
47.5°	630.0	637.5	660.0	688.6	702.1
50°	589.4	595.4	617.9	645.0	658.5
52.5°	547.3	553.3	574.3	601.4	614.9
55°	505.2	512.7	530.7	556.3	568.3
57.5°	463.1	470.6	487.1	511.2	521.7
60°	421.0	427.0	443.5	464.6	475.1
62.5°	375.9	380.4	396.9	418.0	427.0
65°	332.3	338.3	351.8	366.9	375.9
67.5°	291.7	294.7	306.7	323.3	329.3
70°	249.6	252.6	263.1	276.6	281.2
72.5°	207.5	212.0	219.5	231.5	237.6
75°	168.4	171.4	177.4	186.4	192.5
77.5°	130.8	132.3	136.8	144.3	148.8
80°	94.7	96.2	99.2	105.2	108.3
82.5°	63.1	64.7	66.2	69.2	72.2
85°	36.1	36.1	36.1	39.1	40.6
87.5°	13.5	12.0	12.0	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)