

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: P385070

Luminaire Tested: **14ID-30-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-30-L830-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

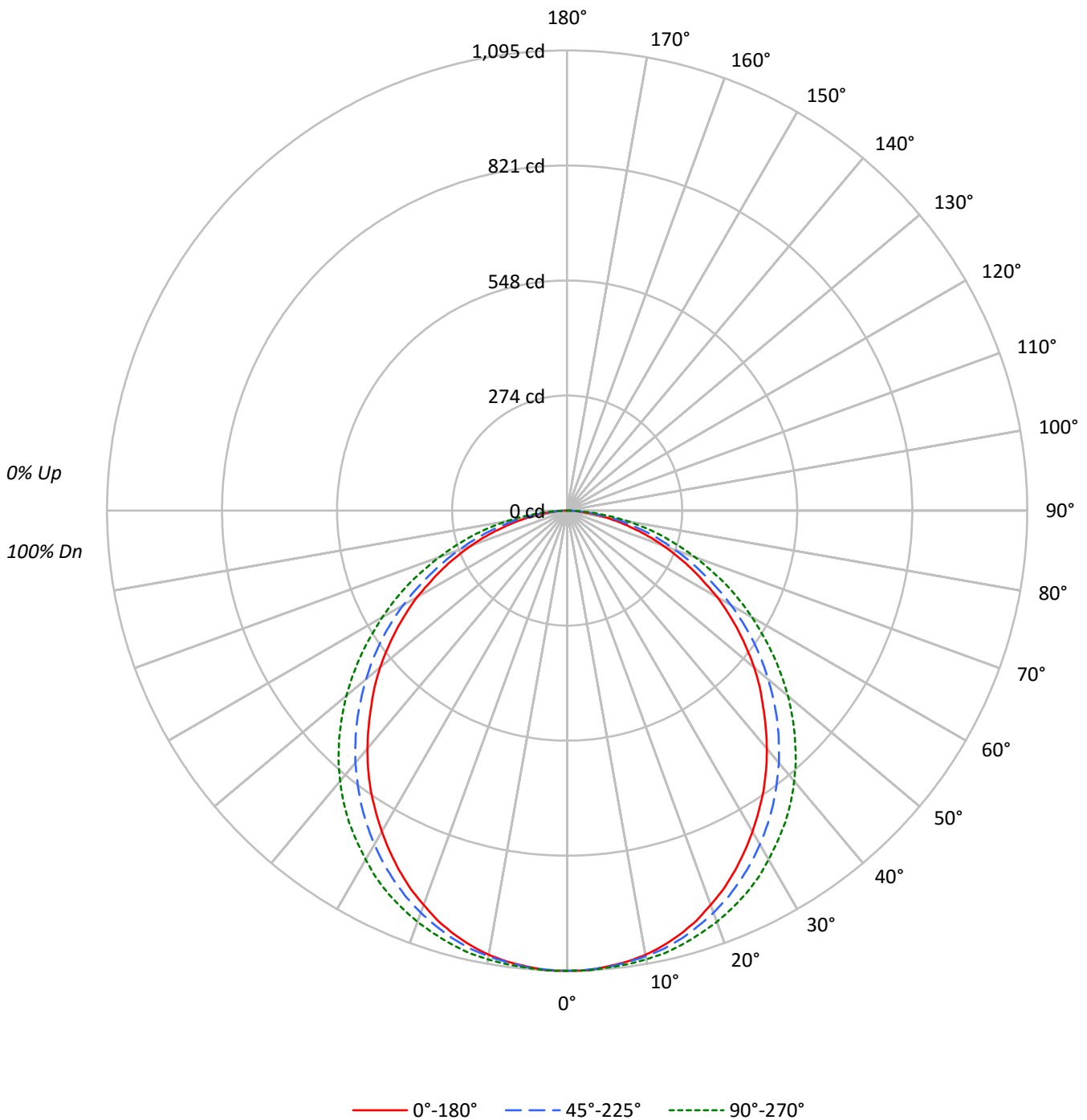
Lumens per Lamp: N/A
Luminaire Lumens: 3040.8 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (Ain): 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: P385070
CATALOG NUMBER: 14ID-30-L830-CNC

Luminous Intensity Polar Plot





TEST NUMBER: P385070

CATALOG NUMBER: 14ID-30-L830-CNC

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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2947	2947	2947
5°	2942	2946	2950
10°	2934	2942	2963
15°	2906	2936	2974
20°	2860	2917	2983
25°	2806	2888	2988
30°	2741	2850	2979
35°	2676	2807	2973
40°	2597	2753	2953
45°	2510	2691	2919
50°	2434	2614	2870
55°	2332	2533	2807
60°	2221	2427	2732
65°	2071	2285	2656
70°	1907	2148	2546
75°	1691	1993	2440
80°	1426	1782	2258
85°	1041	1374	1800



TEST NUMBER: P385070

CATALOG NUMBER: 14ID-30-L830-CNC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	3.4
10°-20°	297.4	9.8
20°-30°	448.6	14.8
30°-40°	535.5	17.6
40°-50°	547.3	18.0
50°-60°	485.3	16.0
60°-70°	361.8	11.9
70°-80°	206.7	6.8
80°-90°	54.5	1.8
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°	849.7	27.9
0°-40°	1385.2	45.6
0°-60°	2417.8	79.5
0°-90°	3040.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3040.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1089	1089	1091	1091	1092	104
15°	1043	1046	1054	1063	1068	294
25°	945	952	972	994	1006	435
35°	814	825	854	888	905	509
45°	660	673	707	746	767	510
55°	497	506	540	578	598	444
65°	325	333	359	396	417	322
75°	163	170	192	221	235	173
85°	34	35	44	55	58	42
90°	0	0	0	0	0	



TEST NUMBER: P385070

CATALOG NUMBER: 14ID-30-L830-CNC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1095.2	1093.7	1093.7	1093.7	1095.2
5°	1089.1	1089.1	1090.6	1090.6	1092.1
7.5°	1082.9	1082.9	1084.5	1086.0	1089.1
10°	1073.7	1073.7	1076.8	1081.4	1084.5
12.5°	1059.9	1061.4	1067.6	1073.7	1078.3
15°	1043.0	1046.1	1053.8	1063.0	1067.6
17.5°	1023.1	1026.2	1036.9	1049.2	1055.3
20°	998.6	1004.7	1018.5	1033.8	1041.5
22.5°	974.0	980.1	997.0	1015.4	1024.6
25°	944.9	952.5	972.5	994.0	1006.2
27.5°	914.2	923.4	946.4	970.9	984.8
30°	882.0	892.7	917.3	944.9	958.7
32.5°	848.2	859.0	886.6	917.3	932.6
35°	814.5	825.2	854.4	888.1	905.0
37.5°	777.7	788.4	819.1	855.9	874.3
40°	739.3	751.6	783.8	820.6	840.6
42.5°	699.4	713.3	745.5	785.3	805.3
45°	659.6	673.4	707.1	745.5	766.9
47.5°	621.2	632.0	665.7	705.6	727.1
50°	581.3	590.5	624.3	664.2	685.6
52.5°	538.4	550.7	582.9	622.8	642.7
55°	497.0	506.2	539.9	578.3	598.2
57.5°	454.0	463.2	495.4	533.8	552.2
60°	412.6	421.8	451.0	489.3	507.7
62.5°	366.6	375.8	404.9	444.8	463.2
65°	325.2	332.9	358.9	395.7	417.2
67.5°	283.8	291.4	316.0	351.3	368.1
70°	242.4	248.5	273.0	305.2	323.6
72.5°	202.5	208.6	233.1	262.3	277.6
75°	162.6	170.3	191.7	220.9	234.7
77.5°	125.8	133.4	151.9	177.9	190.2
80°	92.0	98.2	115.0	135.0	145.7
82.5°	61.4	66.0	78.2	95.1	102.8
85°	33.7	35.3	44.5	55.2	58.3
87.5°	13.8	13.8	16.9	18.4	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)