

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: P385128

Luminaire Tested: **22ID-30-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385128
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: 22ID-30-L840-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

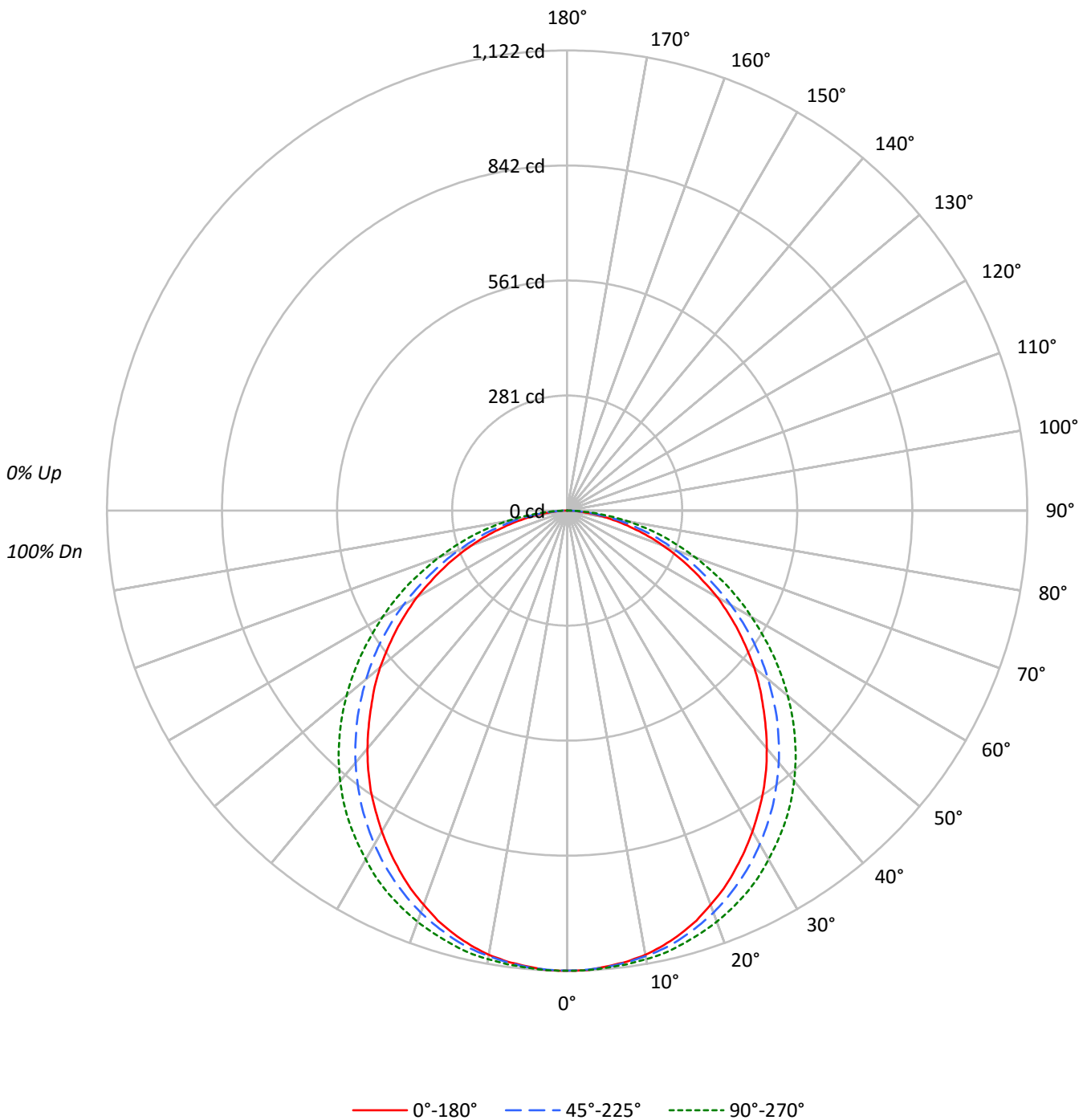
Lumens per Lamp: N/A
Luminaire Lumens: 3115.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
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: P385128
CATALOG NUMBER: 22ID-30-L840-CNC

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	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°	3019	3019	3019
5°	3014	3018	3022
10°	3005	3014	3036
15°	2977	3007	3047
20°	2929	2988	3055
25°	2874	2958	3061
30°	2807	2920	3052
35°	2741	2875	3046
40°	2661	2820	3025
45°	2571	2757	2990
50°	2493	2677	2941
55°	2388	2595	2875
60°	2275	2486	2799
65°	2121	2341	2721
70°	1954	2201	2608
75°	1732	2042	2499
80°	1461	1826	2314
85°	1068	1408	1843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.4
10°-20°	304.7	9.8
20°-30°	459.5	14.8
30°-40°	548.6	17.6
40°-50°	560.7	18.0
50°-60°	497.2	16.0
60°-70°	370.6	11.9
70°-80°	211.7	6.8
80°-90°	55.9	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°	870.4	27.9
0°-40°	1419.0	45.6
0°-60°	2476.8	79.5
0°-90°	3115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1116	1116	1117	1117	1119	106
15°	1068	1072	1080	1089	1094	301
25°	968	976	996	1018	1031	446
35°	834	845	875	910	927	521
45°	676	690	724	764	786	522
55°	509	518	553	592	613	455
65°	333	341	368	405	427	330
75°	167	174	196	226	240	178
85°	35	36	46	57	60	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1121.9	1121.9	1121.9	1121.9	1121.9
2.5°	1121.9	1120.3	1120.3	1120.3	1121.9
5°	1115.6	1115.6	1117.2	1117.2	1118.8
7.5°	1109.3	1109.3	1110.9	1112.5	1115.6
10°	1099.9	1099.9	1103.1	1107.8	1110.9
12.5°	1085.8	1087.3	1093.6	1099.9	1104.6
15°	1068.5	1071.6	1079.5	1088.9	1093.6
17.5°	1048.1	1051.2	1062.2	1074.8	1081.1
20°	1022.9	1029.2	1043.3	1059.1	1066.9
22.5°	997.8	1004.1	1021.4	1040.2	1049.6
25°	967.9	975.8	996.2	1018.2	1030.8
27.5°	936.5	945.9	969.5	994.6	1008.8
30°	903.5	914.5	939.6	967.9	982.1
32.5°	868.9	879.9	908.2	939.6	955.4
35°	834.4	845.4	875.2	909.8	927.1
37.5°	796.7	807.7	839.1	876.8	895.6
40°	757.4	769.9	802.9	840.6	861.1
42.5°	716.5	730.7	763.7	804.5	824.9
45°	675.7	689.8	724.4	763.7	785.7
47.5°	636.4	647.4	681.9	722.8	744.8
50°	595.5	605.0	639.5	680.4	702.4
52.5°	551.5	564.1	597.1	638.0	658.4
55°	509.1	518.5	553.1	592.4	612.8
57.5°	465.1	474.5	507.5	546.8	565.7
60°	422.7	432.1	462.0	501.2	520.1
62.5°	375.5	385.0	414.8	455.7	474.5
65°	333.1	341.0	367.7	405.4	427.4
67.5°	290.7	298.5	323.7	359.8	377.1
70°	248.3	254.6	279.7	312.7	331.5
72.5°	207.4	213.7	238.8	268.7	284.4
75°	166.6	174.4	196.4	226.3	240.4
77.5°	128.8	136.7	155.6	182.3	194.8
80°	94.3	100.6	117.8	138.3	149.3
82.5°	62.9	67.6	80.1	97.4	105.3
85°	34.6	36.1	45.6	56.6	59.7
87.5°	14.1	14.1	17.3	18.9	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)