

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: P385129

Luminaire Tested: **22ID-30-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385129
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-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

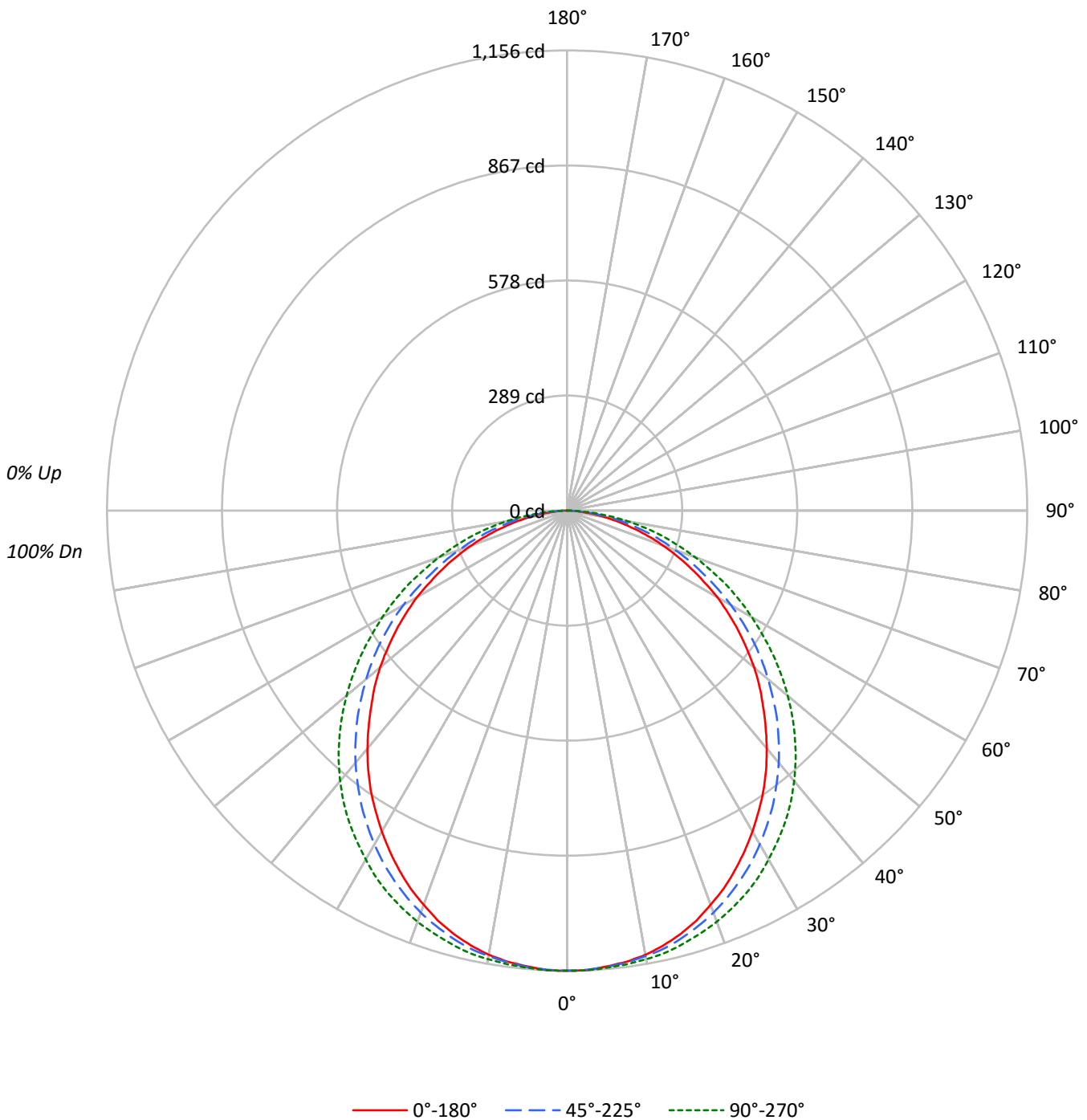
Lumens per Lamp: N/A
Luminaire Lumens: 3209.4 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
Input Voltage (V): NR
Input Current (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: P385129
CATALOG NUMBER: 22ID-30-L850-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°	3111	3111	3111
5°	3105	3109	3114
10°	3096	3105	3128
15°	3067	3098	3139
20°	3018	3078	3148
25°	2961	3048	3153
30°	2893	3008	3144
35°	2824	2962	3138
40°	2741	2906	3117
45°	2649	2840	3081
50°	2569	2758	3030
55°	2461	2674	2962
60°	2344	2562	2884
65°	2185	2412	2804
70°	2013	2268	2688
75°	1784	2104	2575
80°	1505	1881	2383
85°	1099	1448	1899



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.4
10°-20°	313.9	9.8
20°-30°	473.4	14.8
30°-40°	565.2	17.6
40°-50°	577.7	18.0
50°-60°	512.2	16.0
60°-70°	381.8	11.9
70°-80°	218.1	6.8
80°-90°	57.5	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°	896.8	27.9
0°-40°	1462.0	45.6
0°-60°	2551.9	79.5
0°-90°	3209.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3209.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1149	1149	1151	1151	1153	109
15°	1101	1104	1112	1122	1127	310
25°	997	1005	1026	1049	1062	459
35°	860	871	902	937	955	537
45°	696	711	746	787	810	538
55°	524	534	570	610	631	469
65°	343	351	379	418	440	340
75°	172	180	202	233	248	183
85°	36	37	47	58	62	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.9	1155.9	1155.9	1155.9	1155.9
2.5°	1155.9	1154.3	1154.3	1154.3	1155.9
5°	1149.4	1149.4	1151.1	1151.1	1152.7
7.5°	1143.0	1143.0	1144.6	1146.2	1149.4
10°	1133.2	1133.2	1136.5	1141.3	1144.6
12.5°	1118.7	1120.3	1126.8	1133.2	1138.1
15°	1100.9	1104.1	1112.2	1121.9	1126.8
17.5°	1079.8	1083.1	1094.4	1107.3	1113.8
20°	1053.9	1060.4	1075.0	1091.2	1099.3
22.5°	1028.0	1034.5	1052.3	1071.7	1081.4
25°	997.3	1005.4	1026.4	1049.1	1062.0
27.5°	964.9	974.6	998.9	1024.8	1039.4
30°	930.9	942.2	968.1	997.3	1011.8
32.5°	895.3	906.6	935.7	968.1	984.3
35°	859.7	871.0	901.7	937.4	955.2
37.5°	820.8	832.1	864.5	903.4	922.8
40°	780.3	793.3	827.3	866.1	887.2
42.5°	738.2	752.8	786.8	828.9	849.9
45°	696.1	710.7	746.3	786.8	809.5
47.5°	655.7	667.0	702.6	744.7	767.4
50°	613.6	623.3	658.9	701.0	723.7
52.5°	568.2	581.2	615.2	657.3	678.3
55°	524.5	534.2	569.9	610.3	631.4
57.5°	479.2	488.9	522.9	563.4	582.8
60°	435.5	445.2	476.0	516.4	535.9
62.5°	386.9	396.6	427.4	469.5	488.9
65°	343.2	351.3	378.8	417.7	440.3
67.5°	299.5	307.6	333.5	370.7	388.5
70°	255.8	262.3	288.2	322.2	341.6
72.5°	213.7	220.2	246.1	276.8	293.0
75°	171.6	179.7	202.4	233.1	247.7
77.5°	132.8	140.8	160.3	187.8	200.7
80°	97.1	103.6	121.4	142.5	153.8
82.5°	64.8	69.6	82.6	100.4	108.5
85°	35.6	37.2	46.9	58.3	61.5
87.5°	14.6	14.6	17.8	19.4	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)