

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: P385130

Luminaire Tested: **22ID-35-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385130
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-35-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

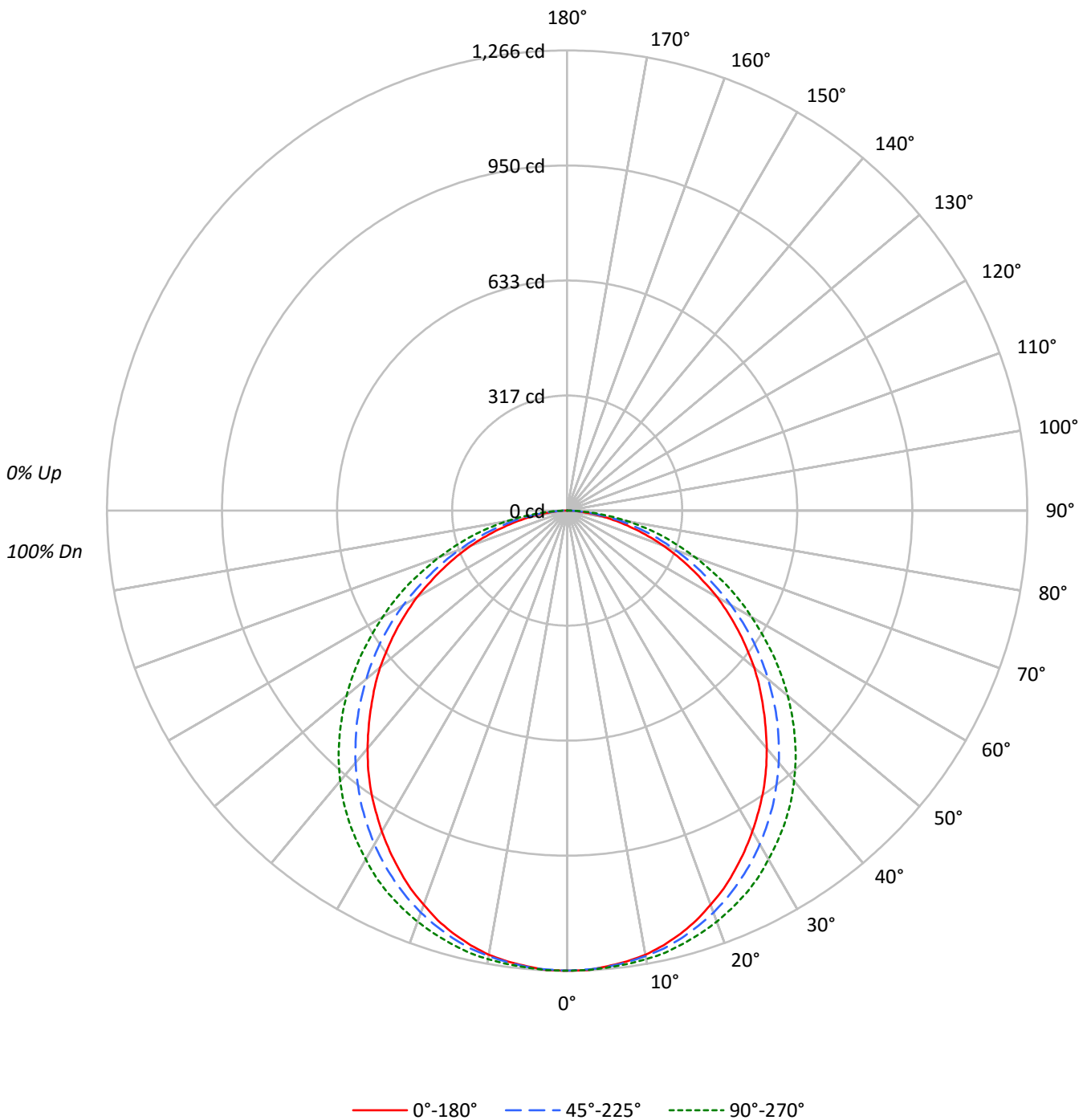
Lumens per Lamp: N/A
Luminaire Lumens: 3514.2 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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



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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	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°	3406	3406	3406
5°	3400	3405	3409
10°	3391	3400	3425
15°	3358	3393	3437
20°	3305	3371	3447
25°	3242	3337	3453
30°	3167	3294	3443
35°	3092	3244	3436
40°	3001	3182	3412
45°	2901	3110	3373
50°	2812	3021	3317
55°	2694	2928	3243
60°	2567	2805	3158
65°	2393	2641	3070
70°	2204	2482	2943
75°	1954	2304	2820
80°	1649	2061	2610
85°	1204	1587	2081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	3.4
10°-20°	343.7	9.8
20°-30°	518.4	14.8
30°-40°	618.9	17.6
40°-50°	632.5	18.0
50°-60°	560.9	16.0
60°-70°	418.1	11.9
70°-80°	238.9	6.8
80°-90°	63.0	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°	981.9	27.9
0°-40°	1600.8	45.6
0°-60°	2794.2	79.5
0°-90°	3514.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3514.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1259	1259	1260	1260	1262	120
15°	1205	1209	1218	1228	1234	340
25°	1092	1101	1124	1149	1163	503
35°	941	954	987	1026	1046	588
45°	762	778	817	862	886	589
55°	574	585	624	668	691	513
65°	376	385	415	457	482	372
75°	188	197	222	255	271	200
85°	39	41	51	64	67	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1265.7	1265.7	1265.7	1265.7	1265.7
2.5°	1265.7	1263.9	1263.9	1263.9	1265.7
5°	1258.6	1258.6	1260.4	1260.4	1262.1
7.5°	1251.5	1251.5	1253.3	1255.1	1258.6
10°	1240.9	1240.9	1244.4	1249.7	1253.3
12.5°	1224.9	1226.7	1233.8	1240.9	1246.2
15°	1205.4	1209.0	1217.8	1228.5	1233.8
17.5°	1182.4	1185.9	1198.3	1212.5	1219.6
20°	1154.0	1161.1	1177.1	1194.8	1203.6
22.5°	1125.7	1132.7	1152.2	1173.5	1184.1
25°	1092.0	1100.8	1123.9	1148.7	1162.9
27.5°	1056.5	1067.2	1093.7	1122.1	1138.1
30°	1019.3	1031.7	1060.1	1092.0	1107.9
32.5°	980.3	992.7	1024.6	1060.1	1077.8
35°	941.3	953.7	987.4	1026.4	1045.9
37.5°	898.7	911.2	946.6	989.2	1010.4
40°	854.4	868.6	905.8	948.4	971.4
42.5°	808.3	824.3	861.5	907.6	930.7
45°	762.3	778.2	817.2	861.5	886.3
47.5°	717.9	730.3	769.3	815.4	840.2
50°	671.8	682.5	721.5	767.6	792.4
52.5°	622.2	636.4	673.6	719.7	742.8
55°	574.3	585.0	624.0	668.3	691.3
57.5°	524.7	535.3	572.6	616.9	638.2
60°	476.9	487.5	521.2	565.5	586.8
62.5°	423.7	434.3	468.0	514.1	535.3
65°	375.8	384.7	414.8	457.4	482.2
67.5°	327.9	336.8	365.2	405.9	425.4
70°	280.1	287.2	315.5	352.8	374.0
72.5°	234.0	241.1	269.4	303.1	320.9
75°	187.9	196.8	221.6	255.3	271.2
77.5°	145.4	154.2	175.5	205.6	219.8
80°	106.4	113.5	133.0	156.0	168.4
82.5°	70.9	76.2	90.4	109.9	118.8
85°	39.0	40.8	51.4	63.8	67.4
87.5°	16.0	16.0	19.5	21.3	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)