

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: P385131

Luminaire Tested: **22ID-35-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385131
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-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

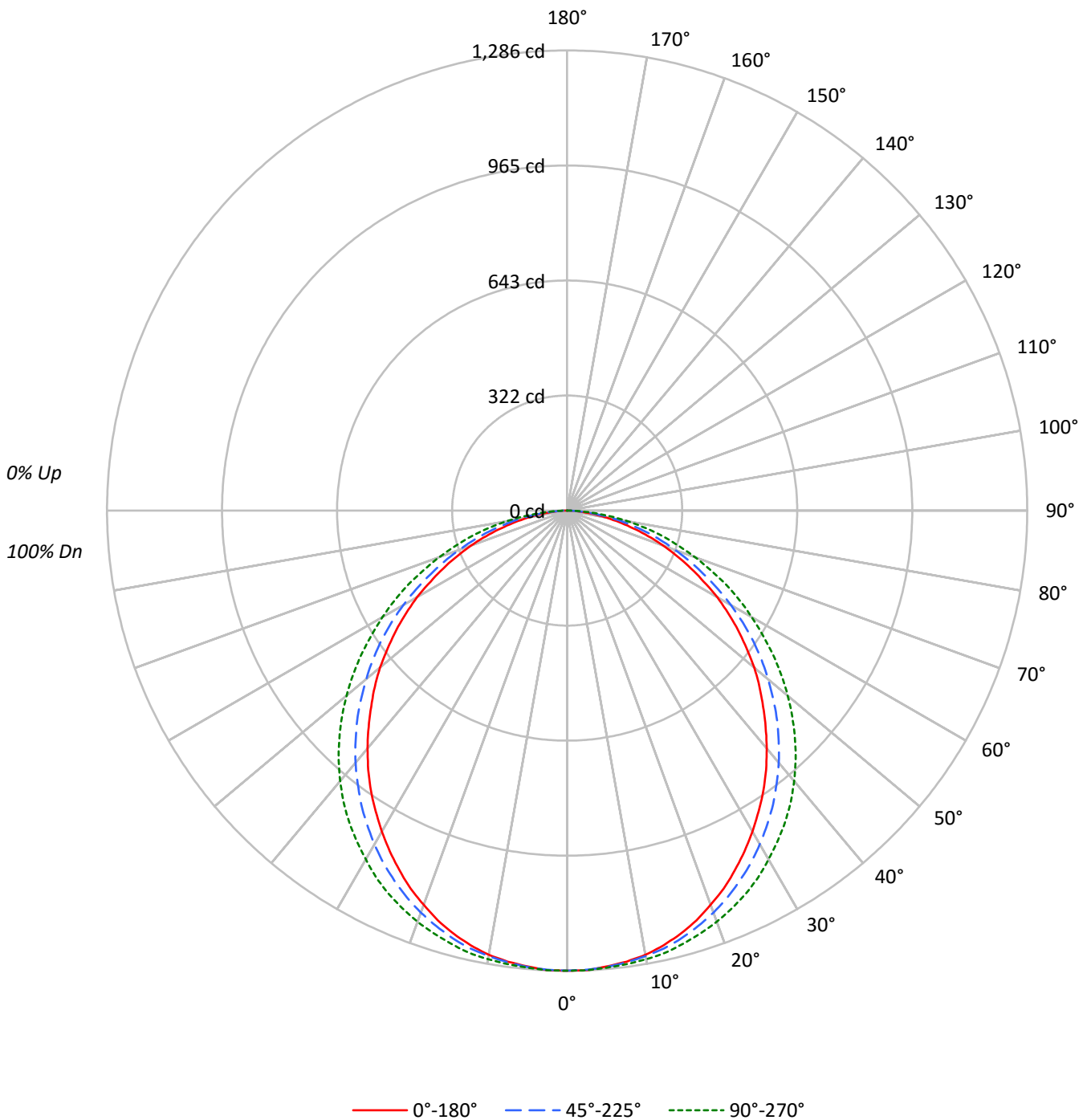
Lumens per Lamp: N/A
Luminaire Lumens: 3570.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3460	3460	3460
5°	3454	3459	3464
10°	3445	3454	3479
15°	3412	3447	3492
20°	3357	3424	3502
25°	3294	3390	3507
30°	3218	3346	3497
35°	3141	3295	3490
40°	3049	3232	3467
45°	2947	3159	3427
50°	2857	3068	3370
55°	2738	2974	3295
60°	2607	2849	3208
65°	2431	2683	3119
70°	2238	2522	2990
75°	1985	2340	2864
80°	1674	2094	2651
85°	1223	1612	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	3.4
10°-20°	349.2	9.8
20°-30°	526.6	14.8
30°-40°	628.7	17.6
40°-50°	642.6	18.0
50°-60°	569.8	16.0
60°-70°	424.8	11.9
70°-80°	242.6	6.8
80°-90°	64.0	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°	997.5	27.9
0°-40°	1626.2	45.6
0°-60°	2838.6	79.5
0°-90°	3570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1279	1279	1280	1280	1282	122
15°	1225	1228	1237	1248	1253	345
25°	1109	1118	1142	1167	1181	511
35°	956	969	1003	1043	1062	597
45°	774	791	830	875	900	598
55°	584	594	634	679	702	521
65°	382	391	421	465	490	378
75°	191	200	225	259	276	204
85°	40	41	52	65	68	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1285.8	1285.8	1285.8	1285.8	1285.8
2.5°	1285.8	1284.0	1284.0	1284.0	1285.8
5°	1278.6	1278.6	1280.4	1280.4	1282.2
7.5°	1271.4	1271.4	1273.2	1275.0	1278.6
10°	1260.6	1260.6	1264.2	1269.6	1273.2
12.5°	1244.4	1246.2	1253.4	1260.6	1266.0
15°	1224.6	1228.2	1237.2	1248.0	1253.4
17.5°	1201.2	1204.8	1217.4	1231.8	1239.0
20°	1172.3	1179.5	1195.7	1213.8	1222.8
22.5°	1143.5	1150.7	1170.5	1192.1	1203.0
25°	1109.3	1118.3	1141.7	1166.9	1181.3
27.5°	1073.3	1084.1	1111.1	1139.9	1156.1
30°	1035.5	1048.1	1076.9	1109.3	1125.5
32.5°	995.9	1008.5	1040.9	1076.9	1094.9
35°	956.2	968.8	1003.1	1042.7	1062.5
37.5°	913.0	925.6	961.6	1004.9	1026.5
40°	868.0	882.4	920.2	963.4	986.9
42.5°	821.2	837.4	875.2	922.0	945.4
45°	774.4	790.6	830.2	875.2	900.4
47.5°	729.3	741.9	781.6	828.4	853.6
50°	682.5	693.3	732.9	779.8	805.0
52.5°	632.1	646.5	684.3	731.1	754.5
55°	583.5	594.3	633.9	678.9	702.3
57.5°	533.0	543.8	581.7	626.7	648.3
60°	484.4	495.2	529.4	574.5	596.1
62.5°	430.4	441.2	475.4	522.2	543.8
65°	381.8	390.8	421.4	464.6	489.8
67.5°	333.2	342.2	371.0	412.4	432.2
70°	284.5	291.7	320.5	358.4	380.0
72.5°	237.7	244.9	273.7	307.9	325.9
75°	190.9	199.9	225.1	259.3	275.5
77.5°	147.7	156.7	178.3	208.9	223.3
80°	108.0	115.3	135.1	158.5	171.1
82.5°	72.0	77.4	91.8	111.7	120.7
85°	39.6	41.4	52.2	64.8	68.4
87.5°	16.2	16.2	19.8	21.6	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)