

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: P383787

Luminaire Tested: **22ID-35-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

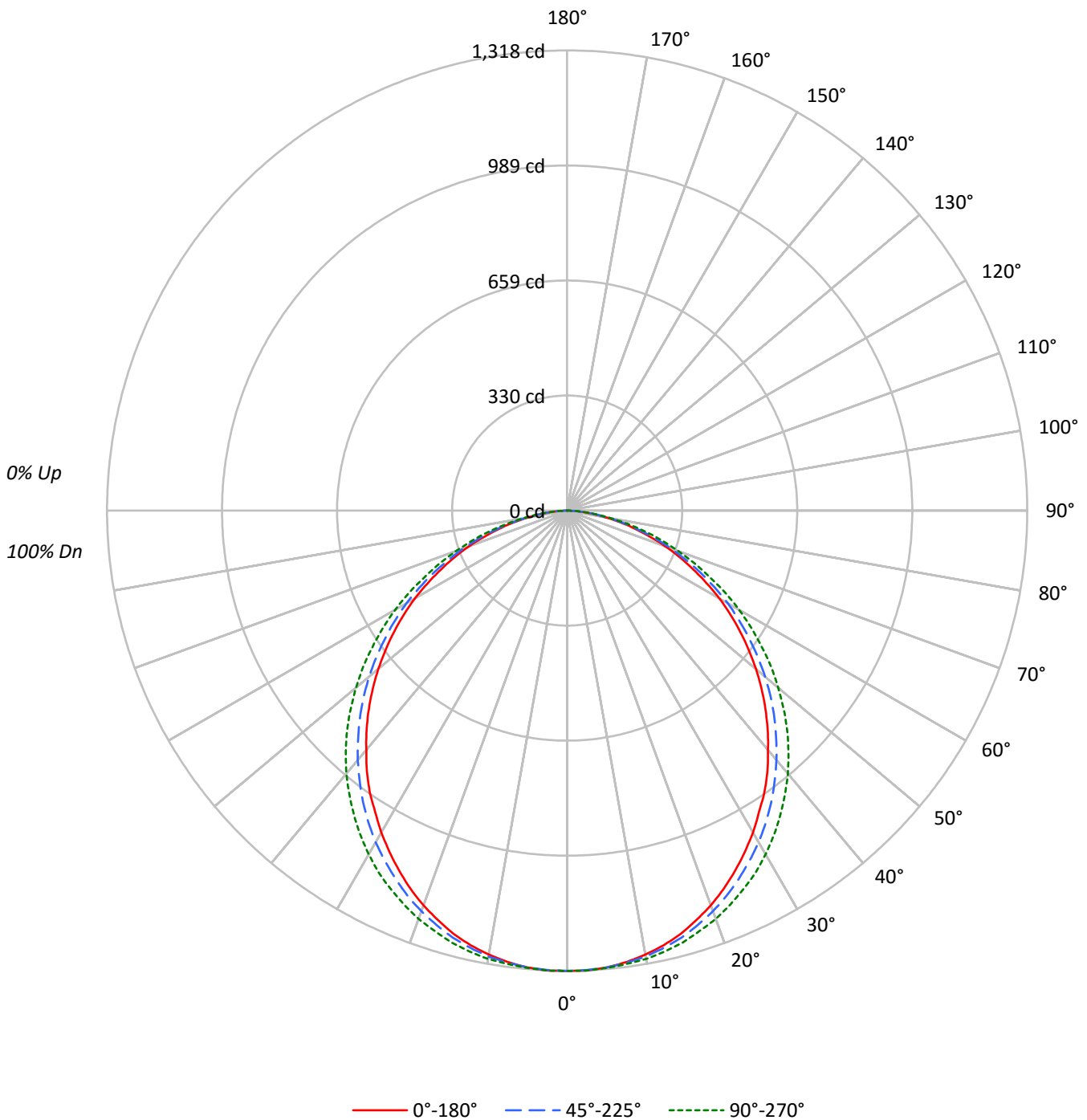
Lumens per Lamp: N/A
Luminaire Lumens: 3580.8 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (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



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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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3548	3548	3548
5°	3547	3547	3552
10°	3529	3544	3563
15°	3497	3528	3568
20°	3446	3497	3564
25°	3380	3455	3551
30°	3308	3408	3532
35°	3237	3349	3497
40°	3145	3277	3455
45°	3057	3194	3393
50°	2956	3099	3303
55°	2839	2983	3194
60°	2714	2860	3063
65°	2535	2684	2867
70°	2353	2480	2650
75°	2097	2209	2398
80°	1759	1843	2010
85°	1334	1334	1501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	3.5
10°-20°	357.1	10.0
20°-30°	536.9	15.0
30°-40°	638.7	17.8
40°-50°	649.9	18.1
50°-60°	571.9	16.0
60°-70°	419.5	11.7
70°-80°	227.7	6.4
80°-90°	54.3	1.5
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°	1018.7	28.4
0°-40°	1657.4	46.3
0°-60°	2879.2	80.4
0°-90°	3580.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3580.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1313	1311	1313	1313	1315	125
15°	1255	1257	1266	1274	1281	354
25°	1138	1146	1164	1183	1196	524
35°	985	992	1020	1050	1064	615
45°	803	810	839	875	892	619
55°	605	614	636	666	681	541
65°	398	405	422	440	450	396
75°	202	205	212	223	231	214
85°	43	43	43	47	49	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.5	1318.5	1318.5	1318.5	1318.5
2.5°	1318.5	1316.7	1316.7	1316.7	1318.5
5°	1313.1	1311.3	1313.1	1313.1	1314.9
7.5°	1304.1	1302.3	1305.9	1307.7	1309.5
10°	1291.5	1291.5	1296.9	1300.5	1304.1
12.5°	1275.3	1277.1	1282.5	1287.9	1293.3
15°	1255.4	1257.2	1266.2	1273.5	1280.7
17.5°	1230.2	1233.8	1244.6	1255.4	1262.6
20°	1203.2	1208.6	1221.2	1235.6	1244.6
22.5°	1172.6	1179.8	1194.2	1212.2	1221.2
25°	1138.4	1145.6	1163.6	1183.4	1196.0
27.5°	1102.3	1111.3	1131.2	1154.6	1169.0
30°	1064.5	1073.5	1096.9	1122.1	1136.6
32.5°	1023.1	1033.9	1059.1	1087.9	1102.3
35°	985.3	992.5	1019.5	1050.1	1064.5
37.5°	942.0	951.0	976.3	1008.7	1024.9
40°	895.2	904.2	933.0	965.4	983.5
42.5°	850.2	857.4	886.2	922.2	938.4
45°	803.3	810.5	839.4	875.4	891.6
47.5°	754.7	763.7	790.7	825.0	841.2
50°	706.1	713.3	740.3	772.7	788.9
52.5°	655.6	662.8	688.1	720.5	736.7
55°	605.2	614.2	635.8	666.4	680.9
57.5°	554.8	563.8	583.6	612.4	625.0
60°	504.3	511.5	531.4	556.6	569.2
62.5°	450.3	455.7	475.5	500.7	511.5
65°	398.1	405.3	421.5	439.5	450.3
67.5°	349.4	353.0	367.4	387.3	394.5
70°	299.0	302.6	315.2	331.4	336.8
72.5°	248.6	254.0	263.0	277.4	284.6
75°	201.7	205.3	212.5	223.3	230.6
77.5°	156.7	158.5	163.9	172.9	178.3
80°	113.5	115.3	118.9	126.1	129.7
82.5°	75.7	77.5	79.3	82.9	86.5
85°	43.2	43.2	43.2	46.8	48.6
87.5°	16.2	14.4	14.4	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)