

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: P383733

Luminaire Tested: **14ID-35-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383733
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: 14ID-35-L850-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

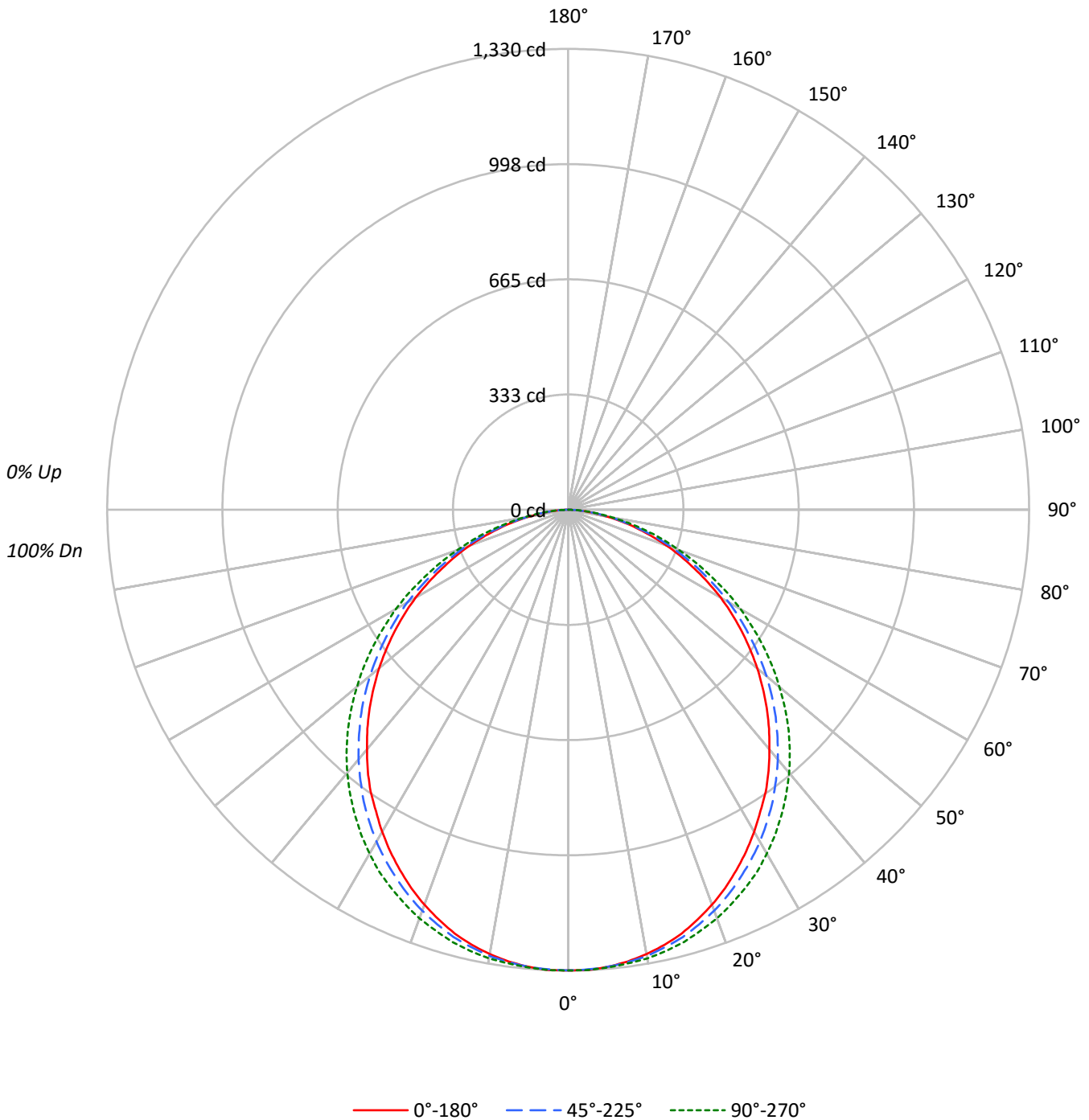
Lumens per Lamp: N/A
Luminaire Lumens: 3611.2 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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°	3578	3578	3578
5°	3577	3577	3582
10°	3559	3574	3593
15°	3527	3558	3598
20°	3475	3527	3594
25°	3409	3484	3581
30°	3336	3437	3562
35°	3264	3377	3527
40°	3171	3305	3484
45°	3083	3221	3422
50°	2981	3126	3331
55°	2863	3008	3221
60°	2737	2884	3089
65°	2556	2707	2891
70°	2372	2501	2673
75°	2115	2228	2417
80°	1773	1858	2027
85°	1346	1346	1513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	3.5
10°-20°	360.1	10.0
20°-30°	541.4	15.0
30°-40°	644.1	17.8
40°-50°	655.4	18.1
50°-60°	576.8	16.0
60°-70°	423.1	11.7
70°-80°	229.6	6.4
80°-90°	54.8	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°	1027.4	28.5
0°-40°	1671.5	46.3
0°-60°	2903.6	80.4
0°-90°	3611.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3611.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1324	1322	1324	1324	1326	126
15°	1266	1268	1277	1284	1292	357
25°	1148	1155	1174	1193	1206	529
35°	994	1001	1028	1059	1074	620
45°	810	817	846	883	899	625
55°	610	619	641	672	687	546
65°	401	409	425	443	454	399
75°	203	207	214	225	232	216
85°	44	44	44	47	49	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1329.7	1329.7	1329.7	1329.7	1329.7
2.5°	1329.7	1327.9	1327.9	1327.9	1329.7
5°	1324.2	1322.4	1324.2	1324.2	1326.0
7.5°	1315.1	1313.3	1317.0	1318.8	1320.6
10°	1302.4	1302.4	1307.9	1311.5	1315.1
12.5°	1286.1	1287.9	1293.3	1298.8	1304.2
15°	1266.1	1267.9	1277.0	1284.3	1291.5
17.5°	1240.7	1244.3	1255.2	1266.1	1273.4
20°	1213.4	1218.9	1231.6	1246.1	1255.2
22.5°	1182.5	1189.8	1204.3	1222.5	1231.6
25°	1148.0	1155.3	1173.5	1193.4	1206.2
27.5°	1111.7	1120.8	1140.8	1164.4	1178.9
30°	1073.5	1082.6	1106.2	1131.7	1146.2
32.5°	1031.8	1042.7	1068.1	1097.2	1111.7
35°	993.6	1000.9	1028.1	1059.0	1073.5
37.5°	950.0	959.1	984.5	1017.2	1033.6
40°	902.8	911.9	940.9	973.6	991.8
42.5°	857.4	864.7	893.7	930.0	946.4
45°	810.2	817.4	846.5	882.8	899.2
47.5°	761.1	770.2	797.4	832.0	848.3
50°	712.1	719.3	746.6	779.3	795.6
52.5°	661.2	668.5	693.9	726.6	742.9
55°	610.3	619.4	641.2	672.1	686.6
57.5°	559.5	568.6	588.5	617.6	630.3
60°	508.6	515.9	535.9	561.3	574.0
62.5°	454.1	459.6	479.6	505.0	515.9
65°	401.4	408.7	425.1	443.2	454.1
67.5°	352.4	356.0	370.6	390.5	397.8
70°	301.5	305.2	317.9	334.2	339.7
72.5°	250.7	256.1	265.2	279.7	287.0
75°	203.4	207.1	214.3	225.2	232.5
77.5°	158.0	159.9	165.3	174.4	179.8
80°	114.4	116.3	119.9	127.2	130.8
82.5°	76.3	78.1	79.9	83.6	87.2
85°	43.6	43.6	43.6	47.2	49.0
87.5°	16.3	14.5	14.5	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)