

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: P383953

Luminaire Tested: **22ID-30-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-30-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3232.1 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

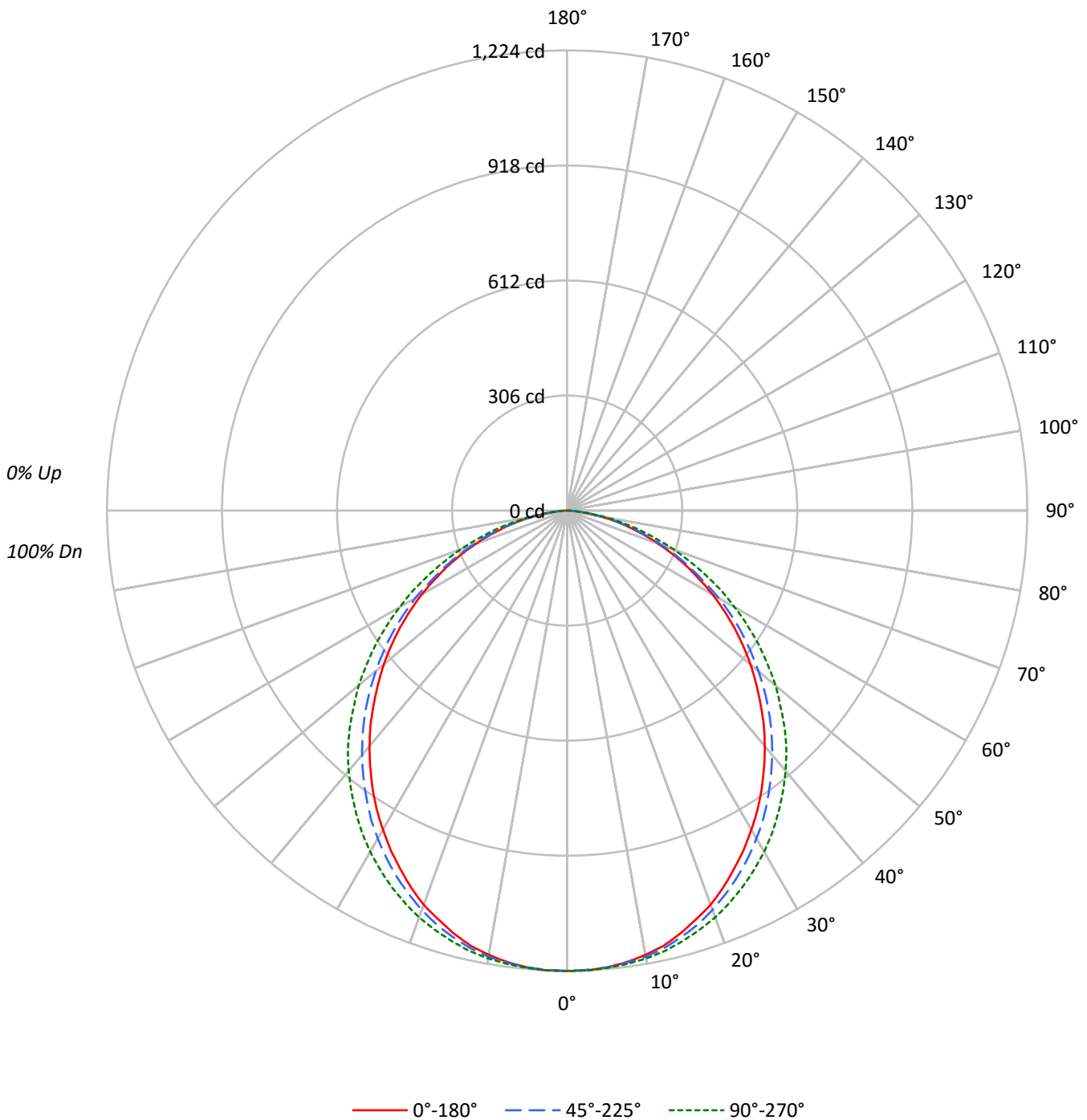
Input Watts (W): 24.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3295	3295	3295
5°	3294	3294	3299
10°	3279	3292	3306
15°	3244	3271	3303
20°	3196	3237	3298
25°	3121	3188	3279
30°	3045	3130	3256
35°	2963	3059	3219
40°	2873	2981	3175
45°	2767	2891	3113
50°	2665	2780	3031
55°	2545	2659	2918
60°	2406	2510	2772
65°	2238	2310	2588
70°	2026	2102	2370
75°	1769	1835	2071
80°	1430	1455	1632
85°	849	951	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.6
10°-20°	331.3	10.2
20°-30°	495.6	15.3
30°-40°	585.5	18.1
40°-50°	590.8	18.3
50°-60°	513.1	15.9
60°-70°	367.9	11.4
70°-80°	191.7	5.9
80°-90°	40.5	1.3
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°	942.7	29.2
0°-40°	1528.2	47.3
0°-60°	2632.1	81.4
0°-90°	3232.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3232.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1220	1218	1220	1220	1221	116
15°	1164	1166	1174	1182	1186	328
25°	1051	1058	1074	1095	1104	484
35°	902	909	931	965	980	564
45°	727	735	760	798	818	562
55°	542	547	567	604	622	485
65°	351	350	363	390	406	347
75°	170	168	176	190	199	181
85°	28	31	31	28	26	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1224.4	1224.4	1224.4	1224.4	1224.4
2.5°	1224.4	1222.7	1222.7	1222.7	1224.4
5°	1219.5	1217.9	1219.5	1219.5	1221.1
7.5°	1211.4	1209.8	1213.0	1214.6	1216.3
10°	1200.1	1200.1	1204.9	1208.2	1209.8
12.5°	1185.5	1185.5	1192.0	1196.8	1200.1
15°	1164.4	1166.1	1174.2	1182.3	1185.5
17.5°	1140.1	1145.0	1154.7	1166.1	1169.3
20°	1115.9	1119.1	1130.4	1145.0	1151.5
22.5°	1085.1	1089.9	1102.9	1122.3	1128.8
25°	1051.1	1057.6	1073.7	1094.8	1104.5
27.5°	1017.1	1021.9	1041.4	1065.6	1077.0
30°	979.8	986.3	1007.3	1034.9	1047.8
32.5°	942.6	947.4	971.7	1000.9	1015.4
35°	902.1	908.6	931.2	965.2	979.8
37.5°	860.0	868.1	890.7	926.4	942.6
40°	817.9	822.7	848.6	884.3	903.7
42.5°	774.1	780.6	804.9	843.8	863.2
45°	727.2	735.3	759.6	798.4	817.9
47.5°	681.8	689.9	712.6	751.5	769.3
50°	636.5	641.3	664.0	702.9	723.9
52.5°	589.5	594.4	615.4	652.7	672.1
55°	542.5	547.4	566.8	604.1	621.9
57.5°	494.0	497.2	516.6	550.6	568.5
60°	447.0	448.6	466.4	497.2	515.0
62.5°	396.8	398.4	411.4	447.0	463.2
65°	351.4	349.8	362.8	390.3	406.5
67.5°	304.5	304.5	315.8	340.1	353.1
70°	257.5	257.5	267.2	288.3	301.2
72.5°	213.8	213.8	221.9	238.1	247.8
75°	170.1	168.4	176.5	189.5	199.2
77.5°	129.6	129.6	132.8	144.1	150.6
80°	92.3	92.3	93.9	100.4	105.3
82.5°	58.3	58.3	58.3	61.5	63.2
85°	27.5	30.8	30.8	27.5	25.9
87.5°	13.0	13.0	11.3	11.3	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)