

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: P383785

Luminaire Tested: **22ID-30-L850-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383785  
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-30-L850-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

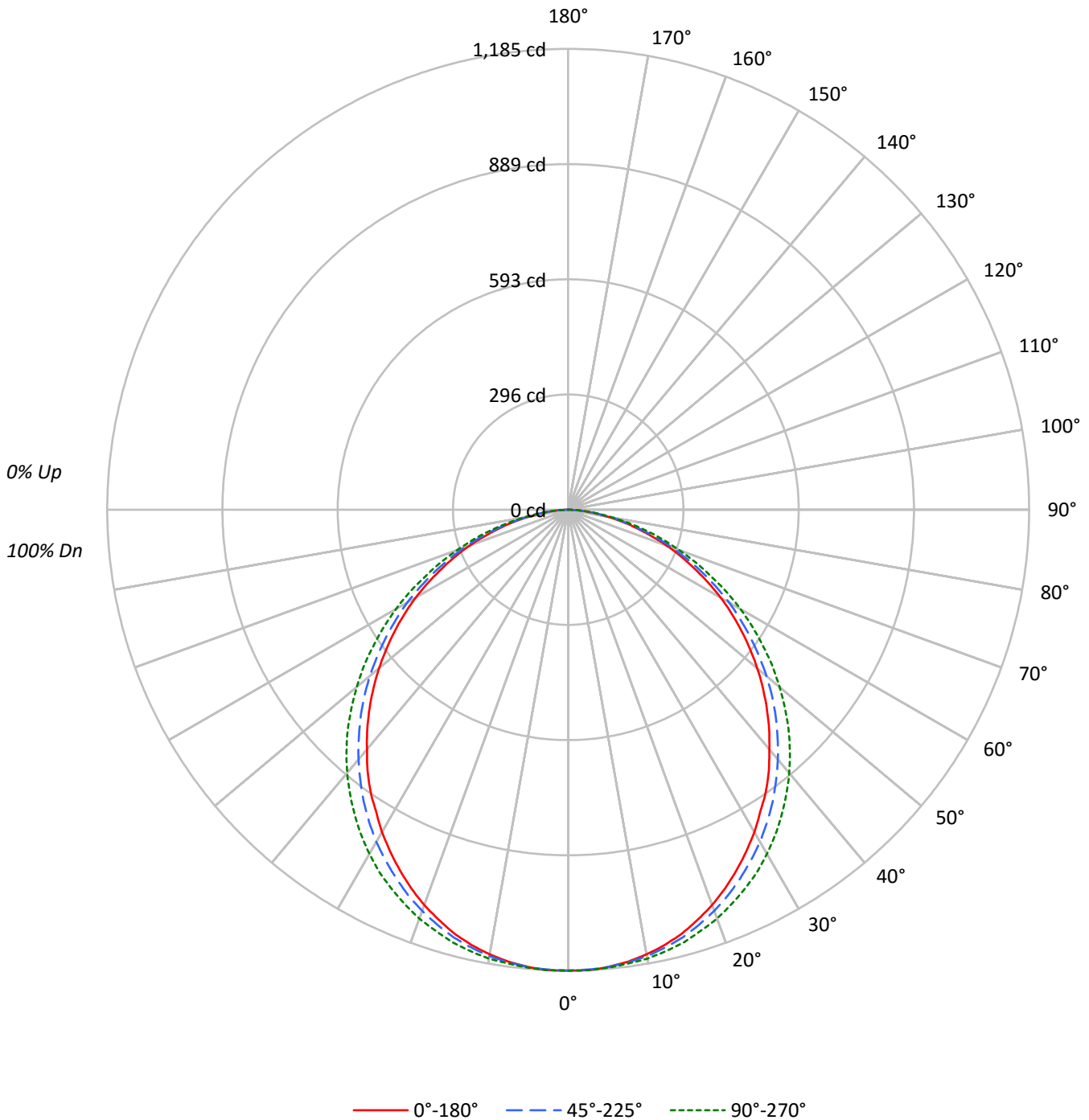
Lumens per Lamp: N/A  
Luminaire Lumens: 3219.1 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3190	3190	3190
5°	3189	3189	3193
10°	3172	3186	3203
15°	3144	3171	3207
20°	3098	3144	3204
25°	3039	3106	3192
30°	2974	3064	3175
35°	2910	3011	3144
40°	2827	2947	3106
45°	2748	2872	3050
50°	2658	2786	2969
55°	2553	2682	2872
60°	2440	2571	2754
65°	2279	2413	2578
70°	2115	2230	2382
75°	1886	1987	2155
80°	1581	1657	1807
85°	1201	1201	1349



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.2	3.5
10°-20°	321.0	10.0
20°-30°	482.7	15.0
30°-40°	574.2	17.8
40°-50°	584.2	18.1
50°-60°	514.2	16.0
60°-70°	377.2	11.7
70°-80°	204.7	6.4
80°-90°	48.9	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°	915.8	28.4
0°-40°	1490.0	46.3
0°-60°	2588.4	80.4
0°-90°	3219.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3219.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1180	1179	1180	1180	1182	112
15°	1129	1130	1138	1145	1151	318
25°	1023	1030	1046	1064	1075	471
35°	886	892	916	944	957	553
45°	722	729	755	787	802	557
55°	544	552	572	599	612	487
65°	358	364	379	395	405	356
75°	181	185	191	201	207	193
85°	39	39	39	42	44	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1185.3	1185.3	1185.3	1185.3	1185.3
2.5°	1185.3	1183.7	1183.7	1183.7	1185.3
5°	1180.4	1178.8	1180.4	1180.4	1182.1
7.5°	1172.3	1170.7	1174.0	1175.6	1177.2
10°	1161.0	1161.0	1165.9	1169.1	1172.3
12.5°	1146.4	1148.1	1152.9	1157.8	1162.6
15°	1128.6	1130.2	1138.3	1144.8	1151.3
17.5°	1106.0	1109.2	1118.9	1128.6	1135.1
20°	1081.7	1086.5	1097.9	1110.8	1118.9
22.5°	1054.1	1060.6	1073.6	1089.8	1097.9
25°	1023.4	1029.9	1046.0	1063.9	1075.2
27.5°	991.0	999.1	1016.9	1037.9	1050.9
30°	957.0	965.1	986.1	1008.8	1021.8
32.5°	919.7	929.5	952.1	978.0	991.0
35°	885.7	892.2	916.5	944.0	957.0
37.5°	846.9	855.0	877.6	906.8	921.4
40°	804.8	812.9	838.8	867.9	884.1
42.5°	764.3	770.8	796.7	829.1	843.6
45°	722.2	728.7	754.6	787.0	801.5
47.5°	678.5	686.6	710.9	741.6	756.2
50°	634.8	641.2	665.5	694.7	709.2
52.5°	589.4	595.9	618.6	647.7	662.3
55°	544.1	552.2	571.6	599.1	612.1
57.5°	498.7	506.8	524.6	550.5	561.9
60°	453.4	459.9	477.7	500.4	511.7
62.5°	404.8	409.7	427.5	450.2	459.9
65°	357.9	364.3	378.9	395.1	404.8
67.5°	314.1	317.4	330.3	348.1	354.6
70°	268.8	272.0	283.4	297.9	302.8
72.5°	223.5	228.3	236.4	249.4	255.8
75°	181.4	184.6	191.1	200.8	207.3
77.5°	140.9	142.5	147.4	155.4	160.3
80°	102.0	103.6	106.9	113.3	116.6
82.5°	68.0	69.6	71.2	74.5	77.7
85°	38.9	38.9	38.9	42.1	43.7
87.5°	14.6	13.0	13.0	13.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)