

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: P383896

Luminaire Tested: **14ID-30-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383896
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: 14ID-30-L840-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

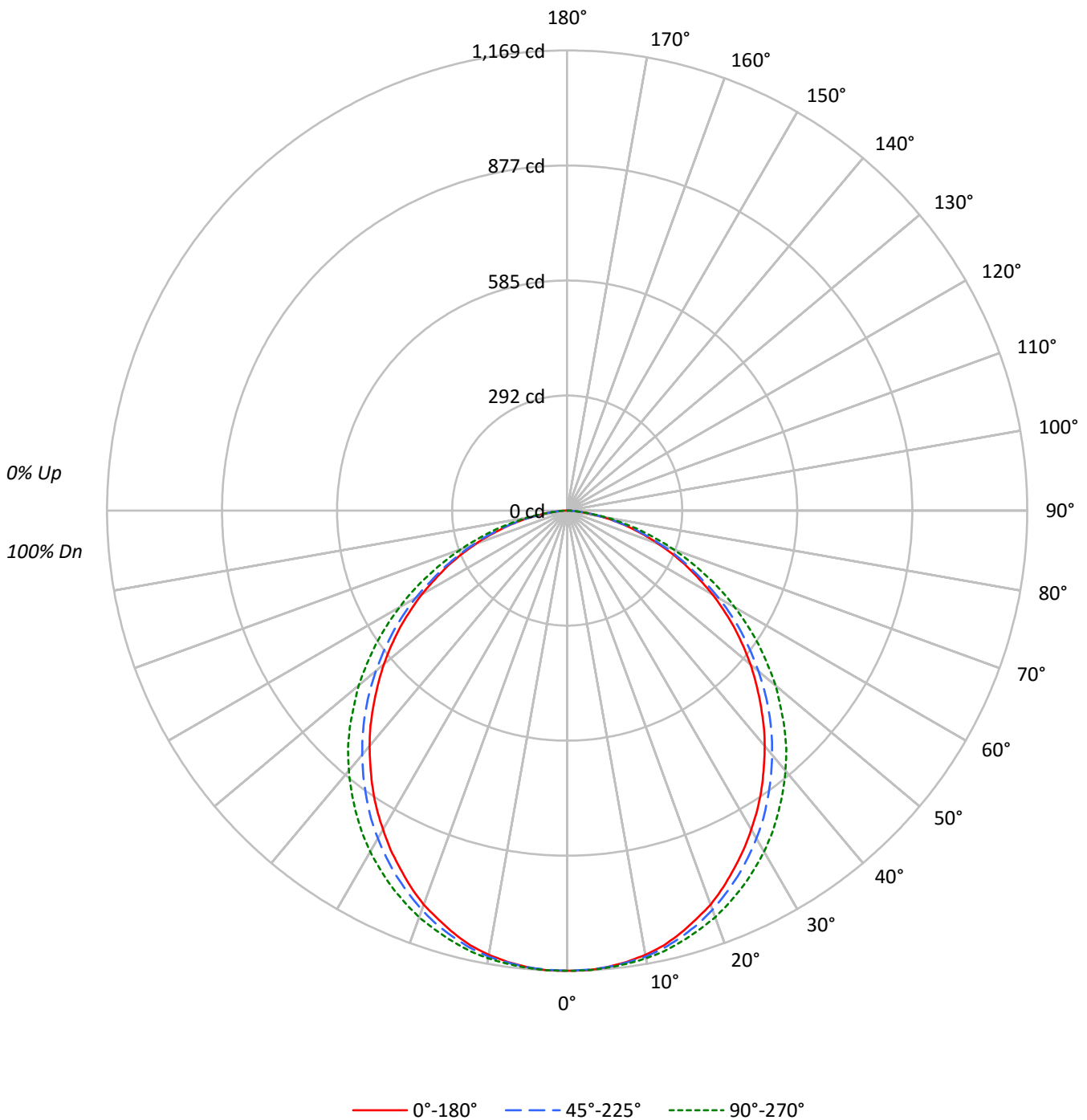
Lumens per Lamp: N/A
Luminaire Lumens: 3086.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.9
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	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°	3146	3146	3146
5°	3145	3145	3149
10°	3131	3144	3156
15°	3097	3123	3153
20°	3051	3091	3148
25°	2980	3044	3131
30°	2907	2989	3109
35°	2829	2921	3073
40°	2743	2846	3031
45°	2642	2760	2972
50°	2544	2654	2894
55°	2430	2539	2786
60°	2297	2397	2646
65°	2137	2206	2471
70°	1935	2007	2263
75°	1688	1752	1978
80°	1365	1390	1557
85°	812	908	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.6
10°-20°	316.3	10.2
20°-30°	473.2	15.3
30°-40°	559.0	18.1
40°-50°	564.1	18.3
50°-60°	489.9	15.9
60°-70°	351.3	11.4
70°-80°	183.0	5.9
80°-90°	38.6	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°	900.1	29.2
0°-40°	1459.1	47.3
0°-60°	2513.1	81.4
0°-90°	3086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1164	1163	1164	1164	1166	111
15°	1112	1113	1121	1129	1132	313
25°	1004	1010	1025	1045	1055	462
35°	861	868	889	922	936	538
45°	694	702	725	762	781	536
55°	518	523	541	577	594	463
65°	336	334	346	373	388	332
75°	162	161	168	181	190	173
85°	26	29	29	26	25	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.0	1169.0	1169.0	1169.0	1169.0
2.5°	1169.0	1167.5	1167.5	1167.5	1169.0
5°	1164.4	1162.8	1164.4	1164.4	1165.9
7.5°	1156.6	1155.1	1158.2	1159.7	1161.3
10°	1145.8	1145.8	1150.5	1153.6	1155.1
12.5°	1131.9	1131.9	1138.1	1142.7	1145.8
15°	1111.8	1113.4	1121.1	1128.8	1131.9
17.5°	1088.6	1093.2	1102.5	1113.4	1116.4
20°	1065.4	1068.5	1079.3	1093.2	1099.4
22.5°	1036.0	1040.7	1053.0	1071.6	1077.8
25°	1003.6	1009.7	1025.2	1045.3	1054.6
27.5°	971.1	975.7	994.3	1017.5	1028.3
30°	935.5	941.7	961.8	988.1	1000.5
32.5°	900.0	904.6	927.8	955.6	969.5
35°	861.3	867.5	889.1	921.6	935.5
37.5°	821.1	828.8	850.5	884.5	900.0
40°	780.9	785.5	810.3	844.3	862.8
42.5°	739.1	745.3	768.5	805.6	824.2
45°	694.3	702.0	725.2	762.3	780.9
47.5°	651.0	658.7	680.4	717.5	734.5
50°	607.7	612.3	634.0	671.1	691.2
52.5°	562.9	567.5	587.6	623.2	641.7
55°	518.0	522.7	541.2	576.8	593.8
57.5°	471.6	474.7	493.3	525.7	542.8
60°	426.8	428.3	445.3	474.7	491.7
62.5°	378.8	380.4	392.8	426.8	442.2
65°	335.6	334.0	346.4	372.7	388.1
67.5°	290.7	290.7	301.5	324.7	337.1
70°	245.9	245.9	255.1	275.2	287.6
72.5°	204.1	204.1	211.8	227.3	236.6
75°	162.4	160.8	168.5	180.9	190.2
77.5°	123.7	123.7	126.8	137.6	143.8
80°	88.1	88.1	89.7	95.9	100.5
82.5°	55.7	55.7	55.7	58.8	60.3
85°	26.3	29.4	29.4	26.3	24.7
87.5°	12.4	12.4	10.8	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)