

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: P385296

Luminaire Tested: **22ID-30-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-30-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

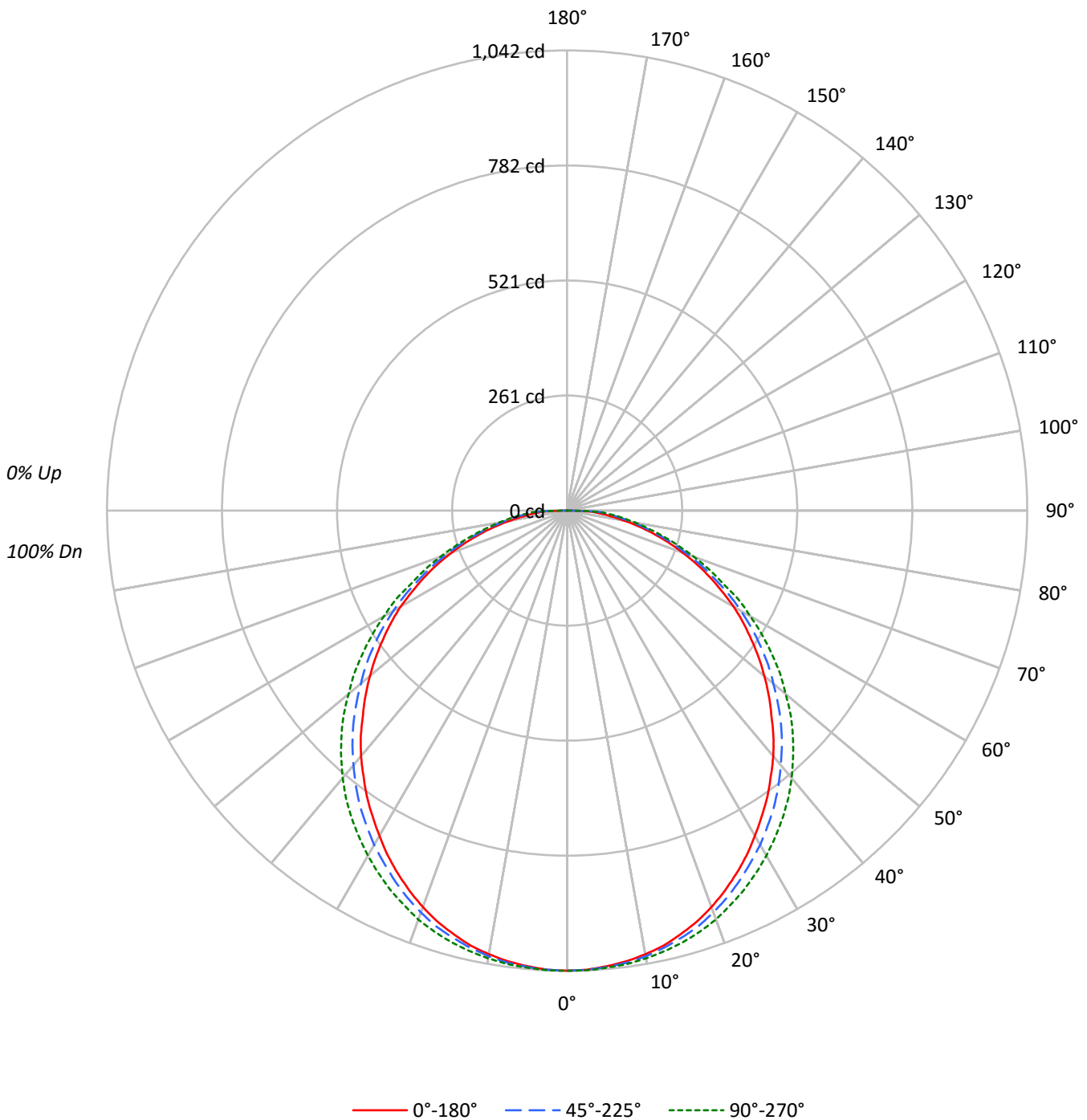
Lumens per Lamp: N/A
Luminaire Lumens: 3022.3 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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	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					100			
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2804	2804	2804
5°	2777	2773	2786
10°	2747	2743	2772
15°	2707	2704	2758
20°	2656	2659	2739
25°	2592	2601	2709
30°	2521	2542	2674
35°	2454	2480	2639
40°	2384	2406	2596
45°	2297	2333	2540
50°	2221	2238	2460
55°	2135	2146	2372
60°	2048	2030	2255
65°	1927	1885	2097
70°	1781	1728	1952
75°	1608	1555	1783
80°	1372	1372	1637
85°	1169	1241	1566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.3
10°-20°	282.6	9.3
20°-30°	426.4	14.1
30°-40°	511.8	16.9
40°-50°	529.7	17.5
50°-60°	479.8	15.9
60°-70°	369.7	12.2
70°-80°	228.8	7.6
80°-90°	95.0	3.1
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°	807.5	26.7
0°-40°	1319.3	43.7
0°-60°	2328.9	77.1
0°-90°	3022.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3022.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1036	1036	1037	1037	1039	98
15°	993	995	1001	1008	1012	280
25°	907	910	924	940	948	418
35°	791	797	817	839	850	494
45°	654	663	685	710	723	506
55°	509	517	534	558	566	456
65°	357	360	371	387	388	353
75°	203	208	215	225	225	215
85°	74	82	94	101	99	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1042.0	1042.0	1042.0	1042.0	1042.0
2.5°	1040.5	1040.5	1040.5	1040.5	1042.0
5°	1035.7	1035.7	1037.3	1037.3	1038.9
7.5°	1029.5	1029.5	1032.6	1032.6	1035.7
10°	1020.0	1021.6	1024.7	1026.3	1029.5
12.5°	1009.0	1009.0	1013.7	1018.5	1021.6
15°	993.3	994.9	1001.2	1007.5	1012.2
17.5°	976.0	977.6	987.0	993.3	999.6
20°	955.6	957.2	968.2	977.6	985.4
22.5°	932.0	935.2	947.7	960.3	966.6
25°	906.9	910.0	924.2	939.9	947.7
27.5°	880.1	884.9	899.0	916.3	925.7
30°	850.3	856.6	873.9	892.7	902.1
32.5°	820.4	826.7	845.6	867.6	877.0
35°	790.6	796.8	817.3	839.3	850.3
37.5°	757.6	763.8	785.8	809.4	822.0
40°	726.1	732.4	752.8	779.6	790.6
42.5°	691.5	697.8	719.8	745.0	757.6
45°	653.8	663.3	685.3	710.4	723.0
47.5°	619.2	627.1	647.5	674.3	686.8
50°	583.1	591.0	609.8	636.5	646.0
52.5°	546.9	554.8	573.7	598.8	608.2
55°	509.2	517.1	534.4	557.9	565.8
57.5°	473.1	479.4	495.1	517.1	523.4
60°	435.4	441.6	454.2	474.6	479.4
62.5°	394.5	399.2	413.4	432.2	438.5
65°	356.8	359.9	370.9	386.6	388.2
67.5°	317.5	320.6	331.6	342.6	347.3
70°	278.2	282.9	290.8	301.8	304.9
72.5°	240.5	245.2	253.0	262.5	264.0
75°	202.7	207.5	215.3	224.8	224.8
77.5°	166.6	171.3	180.7	188.6	188.6
80°	130.4	138.3	147.7	155.6	155.6
82.5°	100.6	106.9	119.4	125.7	125.7
85°	73.9	81.7	94.3	100.6	99.0
87.5°	53.4	61.3	72.3	77.0	75.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)