

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: P383784

Luminaire Tested: **22ID-30-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383784
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-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

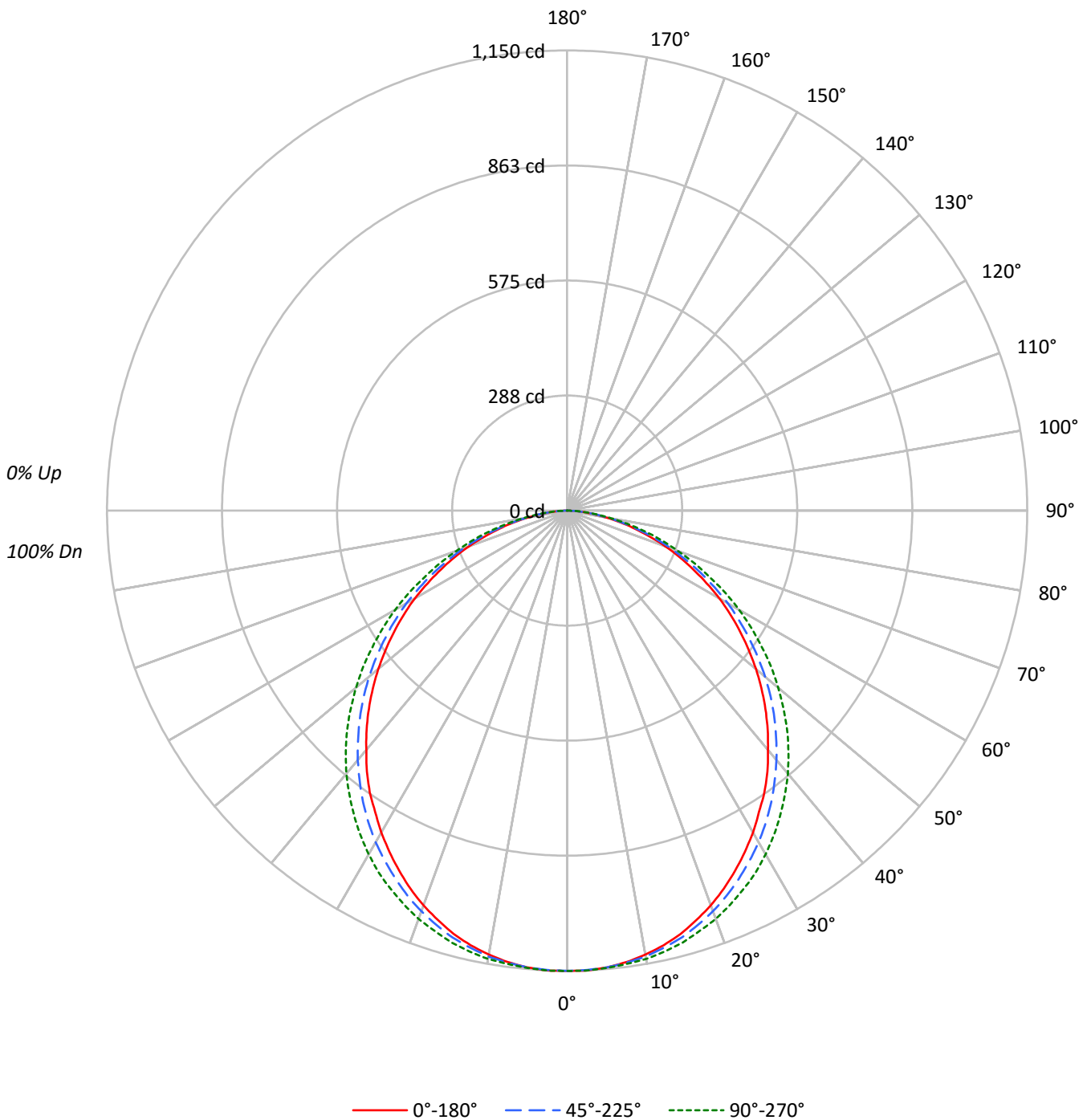
Lumens per Lamp: N/A
Luminaire Lumens: 3124.4 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
Input Voltage (V): NR
Input Current (A_{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	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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60					60			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51					51			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44					44			
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39					39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31					31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3096	3096	3096
5°	3095	3095	3099
10°	3079	3092	3109
15°	3052	3078	3113
20°	3006	3052	3110
25°	2949	3015	3099
30°	2886	2974	3081
35°	2824	2922	3051
40°	2744	2860	3014
45°	2667	2787	2961
50°	2579	2704	2882
55°	2478	2603	2787
60°	2369	2495	2673
65°	2211	2342	2502
70°	2053	2164	2312
75°	1830	1929	2092
80°	1534	1607	1754
85°	1164	1164	1309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	3.5
10°-20°	311.6	10.0
20°-30°	468.5	15.0
30°-40°	557.3	17.8
40°-50°	567.0	18.1
50°-60°	499.0	16.0
60°-70°	366.1	11.7
70°-80°	198.7	6.4
80°-90°	47.4	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°	888.9	28.4
0°-40°	1446.2	46.3
0°-60°	2512.2	80.4
0°-90°	3124.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3124.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1146	1144	1146	1146	1147	109
15°	1095	1097	1105	1111	1117	309
25°	993	1000	1015	1033	1044	457
35°	860	866	890	916	929	537
45°	701	707	732	764	778	540
55°	528	536	555	582	594	472
65°	347	354	368	384	393	345
75°	176	179	186	195	201	187
85°	38	38	38	41	42	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1150.4	1150.4	1150.4	1150.4	1150.4
2.5°	1150.4	1148.9	1148.9	1148.9	1150.4
5°	1145.7	1144.1	1145.7	1145.7	1147.3
7.5°	1137.9	1136.3	1139.4	1141.0	1142.6
10°	1126.9	1126.9	1131.6	1134.7	1137.9
12.5°	1112.7	1114.3	1119.0	1123.7	1128.4
15°	1095.4	1097.0	1104.9	1111.1	1117.4
17.5°	1073.4	1076.6	1086.0	1095.4	1101.7
20°	1049.8	1054.6	1065.6	1078.1	1086.0
22.5°	1023.1	1029.4	1042.0	1057.7	1065.6
25°	993.3	999.6	1015.3	1032.6	1043.6
27.5°	961.8	969.7	987.0	1007.4	1020.0
30°	928.8	936.7	957.1	979.1	991.7
32.5°	892.7	902.1	924.1	949.3	961.8
35°	859.7	866.0	889.5	916.3	928.8
37.5°	822.0	829.8	851.8	880.1	894.3
40°	781.1	789.0	814.1	842.4	858.1
42.5°	741.8	748.1	773.2	804.7	818.8
45°	700.9	707.2	732.4	763.8	778.0
47.5°	658.5	666.4	689.9	719.8	733.9
50°	616.1	622.4	645.9	674.2	688.4
52.5°	572.1	578.4	600.4	628.7	642.8
55°	528.1	535.9	554.8	581.5	594.1
57.5°	484.1	491.9	509.2	534.4	545.4
60°	440.1	446.3	463.6	485.6	496.6
62.5°	392.9	397.6	414.9	436.9	446.3
65°	347.3	353.6	367.8	383.5	392.9
67.5°	304.9	308.0	320.6	337.9	344.2
70°	260.9	264.0	275.0	289.2	293.9
72.5°	216.9	221.6	229.5	242.0	248.3
75°	176.0	179.2	185.5	194.9	201.2
77.5°	136.7	138.3	143.0	150.9	155.6
80°	99.0	100.6	103.7	110.0	113.2
82.5°	66.0	67.6	69.2	72.3	75.4
85°	37.7	37.7	37.7	40.9	42.4
87.5°	14.1	12.6	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)