

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: P383952

Luminaire Tested: **22ID-30-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383952
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-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

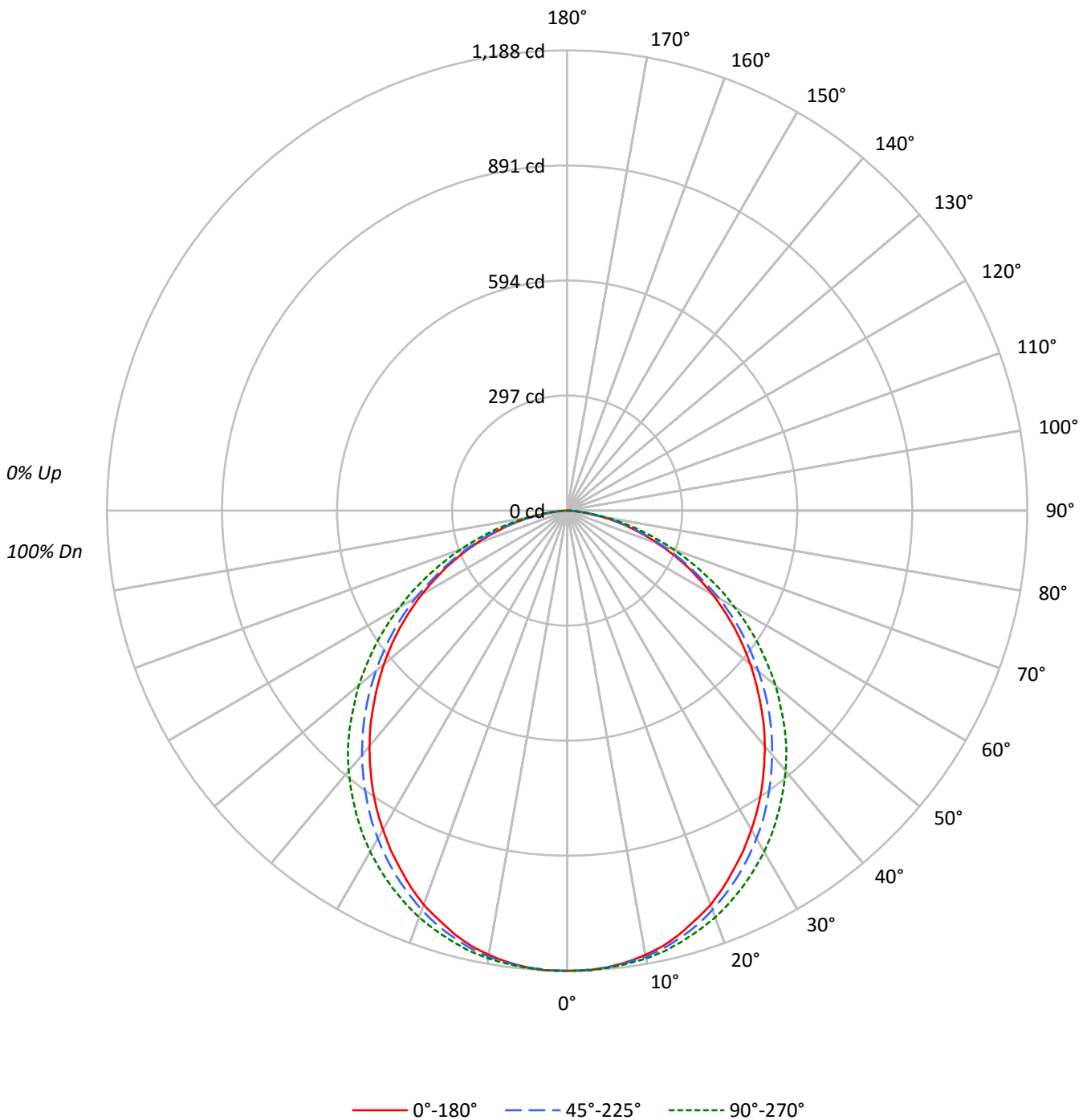
Lumens per Lamp: N/A
Luminaire Lumens: 3137.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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																																				
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°	3198	3198	3198
5°	3197	3197	3202
10°	3183	3196	3208
15°	3149	3175	3205
20°	3101	3142	3200
25°	3029	3094	3183
30°	2955	3038	3160
35°	2876	2969	3124
40°	2788	2894	3081
45°	2686	2806	3021
50°	2586	2698	2941
55°	2471	2581	2832
60°	2335	2436	2690
65°	2172	2242	2512
70°	1966	2041	2301
75°	1716	1781	2010
80°	1389	1413	1584
85°	824	923	775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	3.6
10°-20°	321.5	10.2
20°-30°	481.0	15.3
30°-40°	568.2	18.1
40°-50°	573.4	18.3
50°-60°	498.0	15.9
60°-70°	357.1	11.4
70°-80°	186.0	5.9
80°-90°	39.3	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°	915.0	29.2
0°-40°	1483.3	47.3
0°-60°	2554.6	81.4
0°-90°	3137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1188	1188	1188	1188	1188	
5°	1184	1182	1184	1184	1185	112
15°	1130	1132	1140	1148	1151	318
25°	1020	1026	1042	1063	1072	470
35°	876	882	904	937	951	547
45°	706	714	737	775	794	545
55°	527	531	550	586	604	470
65°	341	340	352	379	394	337
75°	165	164	171	184	193	176
85°	27	30	30	27	25	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1188.3	1188.3	1188.3	1188.3	1188.3
2.5°	1188.3	1186.8	1186.8	1186.8	1188.3
5°	1183.6	1182.0	1183.6	1183.6	1185.2
7.5°	1175.8	1174.2	1177.3	1178.9	1180.5
10°	1164.8	1164.8	1169.5	1172.6	1174.2
12.5°	1150.6	1150.6	1156.9	1161.6	1164.8
15°	1130.2	1131.7	1139.6	1147.5	1150.6
17.5°	1106.6	1111.3	1120.7	1131.7	1134.9
20°	1083.0	1086.2	1097.2	1111.3	1117.6
22.5°	1053.2	1057.9	1070.4	1089.3	1095.6
25°	1020.1	1026.4	1042.2	1062.6	1072.0
27.5°	987.1	991.9	1010.7	1034.3	1045.3
30°	951.0	957.3	977.7	1004.4	1017.0
32.5°	914.8	919.5	943.1	971.4	985.6
35°	875.5	881.8	903.8	936.8	951.0
37.5°	834.7	842.5	864.5	899.1	914.8
40°	793.8	798.5	823.7	858.2	877.1
42.5°	751.4	757.6	781.2	818.9	837.8
45°	705.8	713.6	737.2	774.9	793.8
47.5°	661.8	669.6	691.6	729.3	746.6
50°	617.7	622.5	644.5	682.2	702.6
52.5°	572.2	576.9	597.3	633.5	652.3
55°	526.6	531.3	550.2	586.3	603.6
57.5°	479.4	482.6	501.4	534.4	551.7
60°	433.8	435.4	452.7	482.6	499.9
62.5°	385.1	386.7	399.3	433.8	449.6
65°	341.1	339.5	352.1	378.8	394.5
67.5°	295.5	295.5	306.5	330.1	342.7
70°	249.9	249.9	259.4	279.8	292.4
72.5°	207.5	207.5	215.3	231.1	240.5
75°	165.0	163.5	171.3	183.9	193.3
77.5°	125.7	125.7	128.9	139.9	146.2
80°	89.6	89.6	91.2	97.5	102.2
82.5°	56.6	56.6	56.6	59.7	61.3
85°	26.7	29.9	29.9	26.7	25.1
87.5°	12.6	12.6	11.0	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)