

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: P412977

Luminaire Tested: **14PD-30-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PC3-L850
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

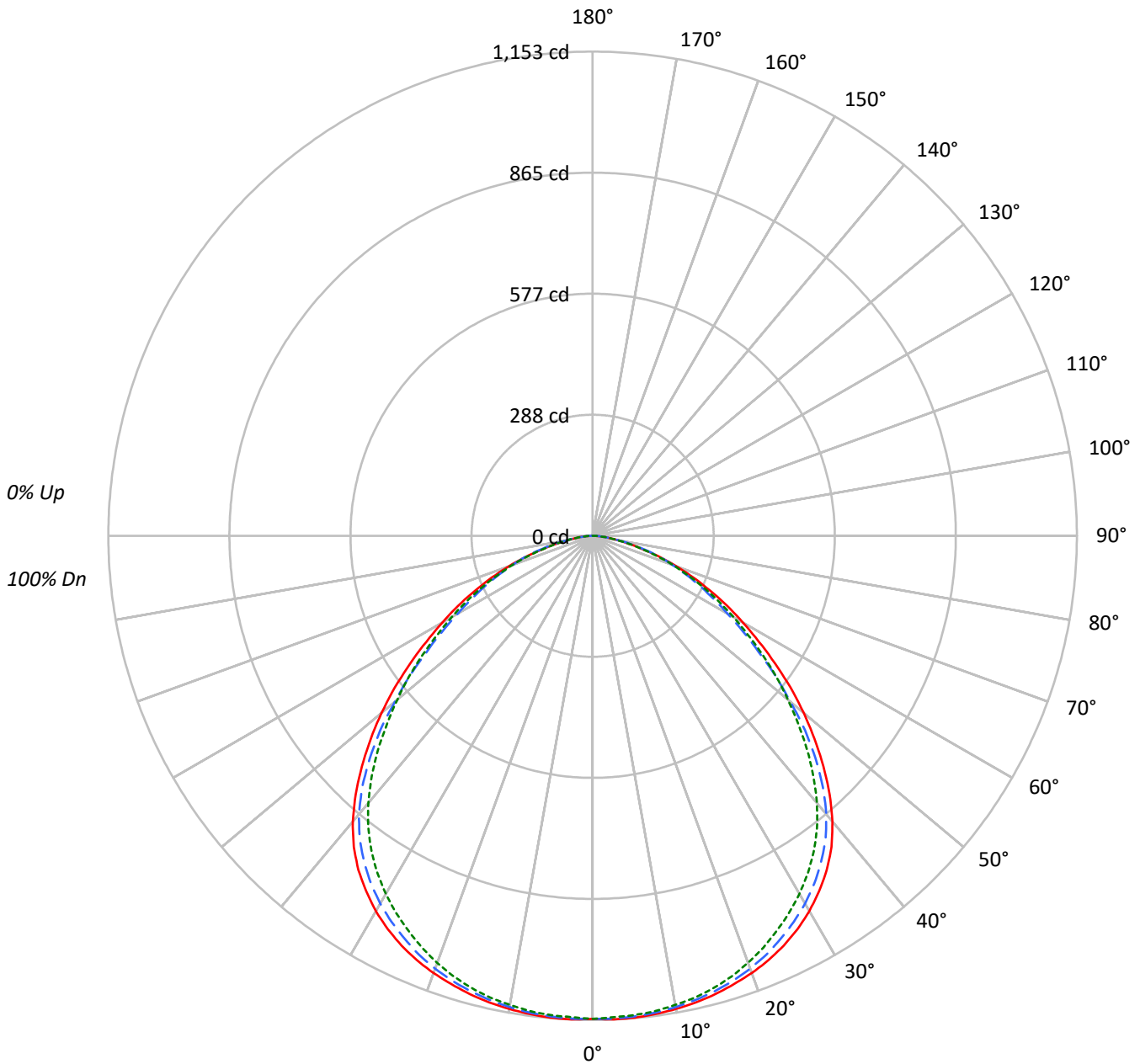
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2973.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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

TEST NUMBER: P412977
CATALOG NUMBER: 14PD-30-PC3-L850

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3096	3096	3096
5°	3112	3103	3095
10°	3127	3114	3099
15°	3148	3128	3105
20°	3173	3141	3099
25°	3196	3145	3081
30°	3207	3142	3060
35°	3193	3116	3015
40°	3120	3040	2918
45°	2957	2856	2752
50°	2745	2570	2540
55°	2486	2266	2316
60°	2223	1995	2083
65°	1961	1789	1851
70°	1669	1585	1597
75°	1283	1352	1246
80°	941	987	933
85°	630	692	676



TEST NUMBER: P412977

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.7
10°-20°	316.9	10.7
20°-30°	487.4	16.4
30°-40°	589.8	19.8
40°-50°	575.8	19.4
50°-60°	444.9	15.0
60°-70°	285.7	9.6
70°-80°	134.8	4.5
80°-90°	28.3	1.0
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°	913.6	30.7
0°-40°	1503.4	50.6
0°-60°	2524.1	84.9
0°-90°	2973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1152	1147	1149	1148	1146	110
15°	1130	1124	1123	1119	1115	319
25°	1076	1068	1059	1045	1038	496
35°	972	962	948	927	918	606
45°	777	768	751	731	723	598
55°	530	504	483	483	494	475
65°	308	290	281	278	291	307
75°	123	125	130	119	120	135
85°	20	24	22	22	22	26
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°	1153.0	1148.4	1150.9	1150.9	1147.4
5°	1151.9	1146.8	1148.9	1147.9	1145.8
7.5°	1148.9	1143.8	1145.3	1144.3	1141.7
10°	1144.3	1138.7	1139.7	1137.7	1134.1
12.5°	1138.2	1133.1	1132.1	1129.0	1126.5
15°	1130.0	1124.4	1122.9	1118.8	1114.7
17.5°	1119.3	1113.7	1111.2	1105.0	1100.4
20°	1108.1	1101.5	1096.9	1087.7	1082.1
22.5°	1093.8	1086.2	1080.0	1067.3	1061.7
25°	1076.5	1067.8	1059.1	1045.4	1037.7
27.5°	1056.1	1046.9	1036.7	1021.4	1012.7
30°	1032.1	1022.9	1011.2	993.9	984.7
32.5°	1003.6	994.4	982.1	962.3	953.1
35°	971.9	961.7	948.5	927.1	917.9
37.5°	934.2	923.0	910.7	887.3	877.6
40°	888.3	878.6	865.4	841.9	830.7
42.5°	835.3	826.6	811.8	789.4	778.7
45°	777.1	767.5	750.6	731.2	723.1
47.5°	716.5	702.2	685.9	669.0	664.4
50°	655.8	637.4	614.0	605.3	606.8
52.5°	593.6	570.1	549.7	543.1	550.7
55°	529.8	504.3	482.9	483.4	493.6
57.5°	469.1	442.6	424.8	424.8	438.0
60°	413.0	388.6	370.7	370.2	387.0
62.5°	361.0	336.0	322.8	322.8	338.1
65°	308.0	289.6	281.0	277.9	290.7
67.5°	259.0	246.3	240.2	236.6	244.8
70°	212.1	204.0	201.4	197.3	203.0
72.5°	165.7	163.7	168.8	159.1	161.7
75°	123.4	125.4	130.0	119.3	119.8
77.5°	88.7	92.8	94.3	89.2	89.2
80°	60.7	65.8	63.7	61.2	60.2
82.5°	38.8	41.3	41.3	39.8	38.8
85°	20.4	23.5	22.4	21.9	21.9
87.5°	7.6	10.7	10.7	10.2	9.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)