

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: P412655

Luminaire Tested: **14PD-40-PP3-L930**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-40-PP3-L930
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

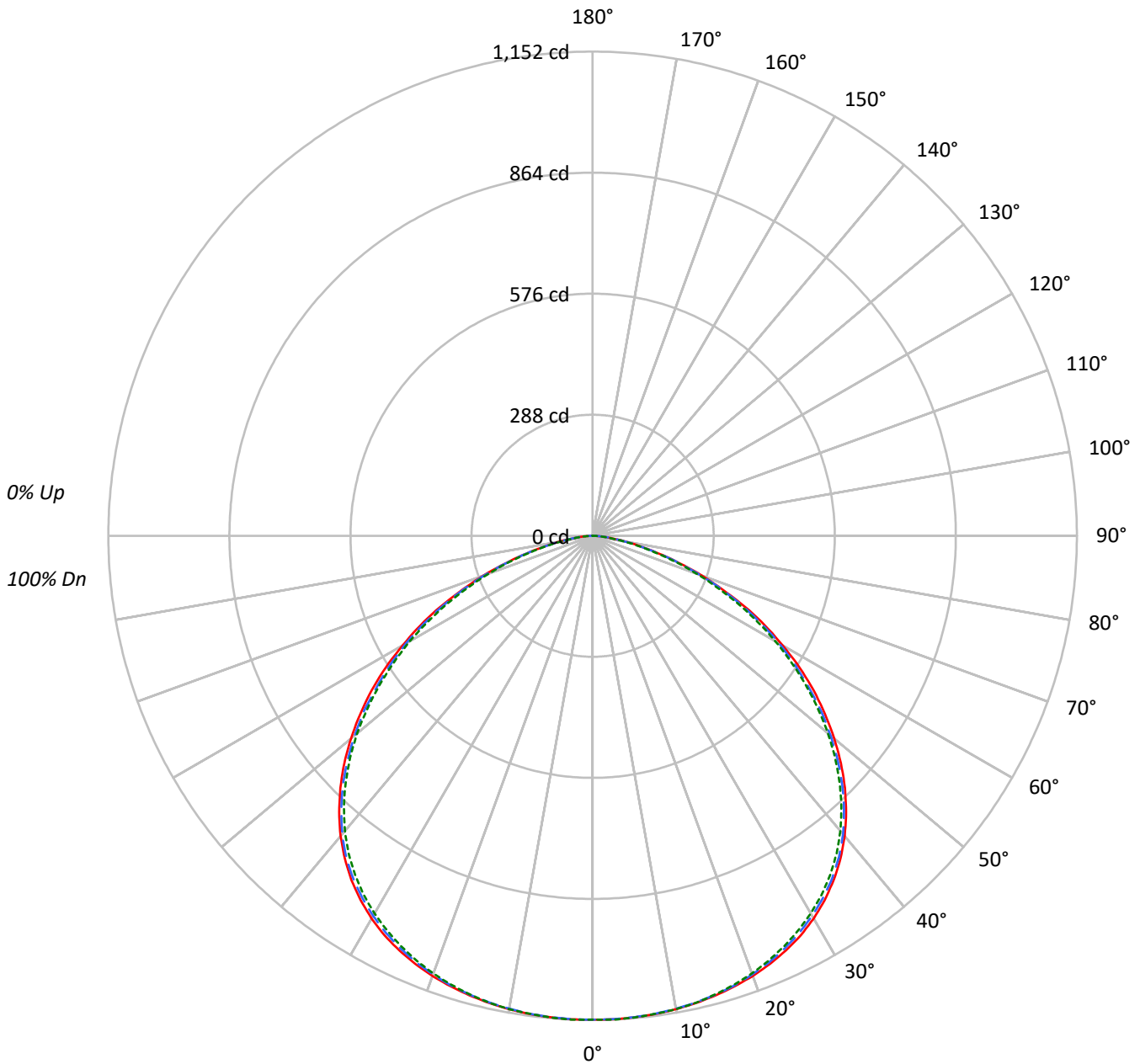
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3350.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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									
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3098	3098	3098
5°	3106	3105	3107
10°	3126	3122	3125
15°	3153	3149	3147
20°	3192	3181	3173
25°	3232	3215	3200
30°	3267	3245	3224
35°	3285	3265	3235
40°	3276	3256	3220
45°	3230	3198	3162
50°	3141	3090	3058
55°	3011	2939	2901
60°	2805	2757	2701
65°	2543	2492	2420
70°	2171	2131	2062
75°	1695	1678	1598
80°	1251	1198	1131
85°	753	753	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.3
10°-20°	319.6	9.5
20°-30°	499.6	14.9
30°-40°	620.9	18.5
40°-50°	646.9	19.3
50°-60°	561.3	16.8
60°-70°	386.0	11.5
70°-80°	174.2	5.2
80°-90°	31.9	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°	928.7	27.7
0°-40°	1549.6	46.3
0°-60°	2757.9	82.3
0°-90°	3350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1150	1150	1150	1149	1150	110
15°	1132	1132	1130	1129	1130	320
25°	1088	1088	1083	1078	1078	502
35°	1000	1000	994	988	985	625
45°	849	849	840	834	831	653
55°	642	638	626	619	618	572
65°	399	398	391	382	380	394
75°	163	164	161	157	154	177
85°	24	24	24	24	23	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.3	1151.3	1151.3	1151.3	<i>1151.3</i>
2.5°	<i>1151.6</i>	<i>1151.6</i>	<i>1151.0</i>	<i>1150.0</i>	<i>1152.3</i>
5°	1150.0	1150.3	1149.6	1148.6	<i>1150.3</i>
7.5°	1147.6	1147.9	1146.9	1145.9	<i>1147.3</i>
10°	1143.9	1143.6	1142.6	1141.9	<i>1143.6</i>
12.5°	1138.6	1138.2	1137.2	1136.6	<i>1137.9</i>
15°	1131.9	1131.9	1130.2	1129.2	<i>1129.5</i>
17.5°	1123.8	1123.8	1121.5	1119.2	<i>1119.8</i>
20°	1114.5	1114.1	1110.8	1108.4	<i>1108.1</i>
22.5°	1102.8	1102.8	1098.1	1095.1	<i>1094.1</i>
25°	1088.4	1088.0	1082.7	1078.3	<i>1077.6</i>
27.5°	1072.0	1071.3	1064.9	1060.6	<i>1058.9</i>
30°	1051.5	1050.9	1044.2	1039.5	<i>1037.5</i>
32.5°	1027.4	1028.4	1020.7	1015.4	<i>1013.4</i>
35°	1000.0	1000.0	994.0	988.3	<i>984.9</i>
37.5°	968.5	968.5	962.8	957.1	<i>953.1</i>
40°	932.7	933.0	927.0	920.0	<i>916.6</i>
42.5°	892.5	893.2	885.1	879.5	<i>875.8</i>
45°	848.7	849.0	840.3	833.9	<i>830.9</i>
47.5°	801.1	800.5	790.7	785.4	<i>782.4</i>
50°	750.2	748.9	738.2	733.2	<i>730.5</i>
52.5°	697.0	694.3	685.0	677.6	<i>675.2</i>
55°	641.8	638.1	626.4	619.0	<i>618.3</i>
57.5°	584.2	579.8	570.1	563.1	<i>560.4</i>
60°	521.2	520.2	512.2	503.8	<i>501.8</i>
62.5°	462.3	459.3	452.3	442.2	<i>441.2</i>
65°	399.4	397.7	391.4	382.0	<i>380.0</i>
67.5°	334.4	336.1	330.8	322.4	<i>319.7</i>
70°	275.9	276.9	270.8	263.1	<i>262.1</i>
72.5°	216.9	218.6	213.6	208.6	<i>207.6</i>
75°	163.0	163.7	161.4	157.0	<i>153.7</i>
77.5°	115.8	118.2	115.5	112.5	<i>109.8</i>
80°	80.7	77.0	77.3	76.0	<i>73.0</i>
82.5°	48.5	46.9	46.5	45.2	<i>43.9</i>
85°	24.4	24.1	24.4	24.1	<i>22.8</i>
87.5°	8.0	8.7	9.0	9.0	<i>8.4</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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







(END OF REPORT)