

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: P412305

Luminaire Tested: **14PD-35-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PB1-L935
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

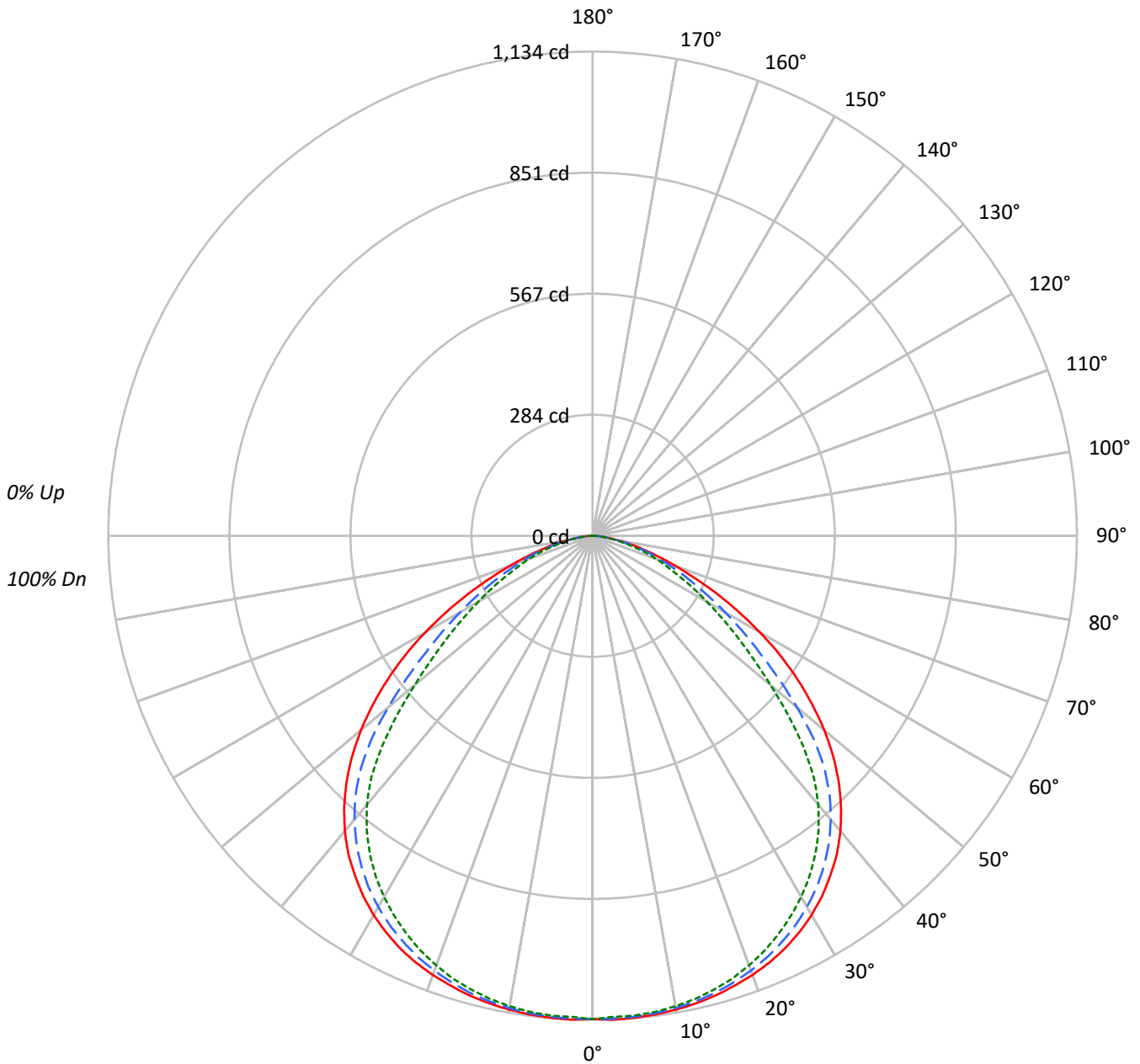
Lumens per Lamp: N/A
Luminaire Lumens: 2917.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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

TEST NUMBER: P412305

CATALOG NUMBER: 14PD-35-PB1-L935

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	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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3045	3045	3045
5°	3061	3054	3046
10°	3079	3068	3057
15°	3104	3088	3065
20°	3134	3103	3066
25°	3166	3116	3057
30°	3187	3119	3035
35°	3189	3102	2988
40°	3171	3048	2889
45°	3102	2916	2653
50°	2964	2612	2274
55°	2746	2239	1941
60°	2438	1922	1659
65°	2046	1640	1421
70°	1622	1393	1253
75°	1268	1137	996
80°	945	848	766
85°	627	553	509



TEST NUMBER: P412305

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	3.7
10°-20°	312.7	10.7
20°-30°	482.9	16.6
30°-40°	587.7	20.1
40°-50°	581.6	19.9
50°-60°	438.2	15.0
60°-70°	263.3	9.0
70°-80°	118.7	4.1
80°-90°	24.3	0.8
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°	903.2	31.0
0°-40°	1490.9	51.1
0°-60°	2510.7	86.1
0°-90°	2917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1133	1129	1131	1130	1128	108
15°	1114	1109	1108	1104	1100	315
25°	1066	1058	1049	1035	1030	491
35°	971	960	944	921	910	607
45°	815	801	766	719	697	626
55°	585	544	477	431	414	521
65°	321	291	258	230	223	319
75°	122	116	109	99	96	133
85°	20	21	18	17	16	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1131.6	1131.6	1131.6	1131.6	1131.6
2.5°	1134.5	1129.7	1132.1	1131.6	1127.8
5°	1133.1	1128.7	1130.7	1129.7	1127.8
7.5°	1130.7	1126.3	1127.8	1126.3	1124.4
10°	1126.8	1121.9	1122.9	1120.0	1118.6
12.5°	1121.5	1115.7	1116.6	1112.7	1110.8
15°	1114.2	1108.9	1108.4	1104.0	1100.2
17.5°	1105.0	1099.7	1096.8	1091.9	1087.6
20°	1094.4	1087.6	1083.7	1075.0	1070.6
22.5°	1081.8	1074.5	1068.2	1056.1	1051.8
25°	1066.3	1058.1	1049.3	1035.3	1029.5
27.5°	1047.4	1038.7	1028.5	1013.0	1004.3
30°	1025.6	1016.4	1003.8	985.9	976.7
32.5°	1000.0	989.8	976.3	955.0	945.3
35°	970.9	960.3	944.3	921.1	909.5
37.5°	939.5	927.4	908.5	880.4	868.8
40°	902.7	890.6	867.8	835.4	822.3
42.5°	861.1	849.0	821.4	782.6	766.7
45°	815.1	801.0	766.2	719.2	697.0
47.5°	763.8	745.9	700.4	642.8	620.5
50°	708.1	684.4	623.9	564.8	543.1
52.5°	647.6	617.6	547.9	495.1	474.3
55°	585.2	544.0	477.2	430.8	413.8
57.5°	520.3	470.9	415.3	374.6	358.7
60°	453.0	405.1	357.2	319.9	308.3
62.5°	384.3	345.1	305.4	271.0	264.8
65°	321.4	291.4	257.5	230.4	223.1
67.5°	258.0	241.0	214.9	196.5	188.3
70°	206.2	195.1	177.1	162.1	159.2
72.5°	161.2	153.9	147.1	134.1	128.7
75°	122.0	115.7	109.4	99.2	95.8
77.5°	88.1	85.7	80.3	73.6	72.1
80°	61.0	61.0	54.7	50.8	49.4
82.5°	37.8	41.1	34.4	31.9	30.5
85°	20.3	20.8	17.9	16.9	16.5
87.5°	7.7	8.7	8.2	6.8	6.8
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)