

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: P505907

Luminaire Tested: **14PD-35-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PR1-L950
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

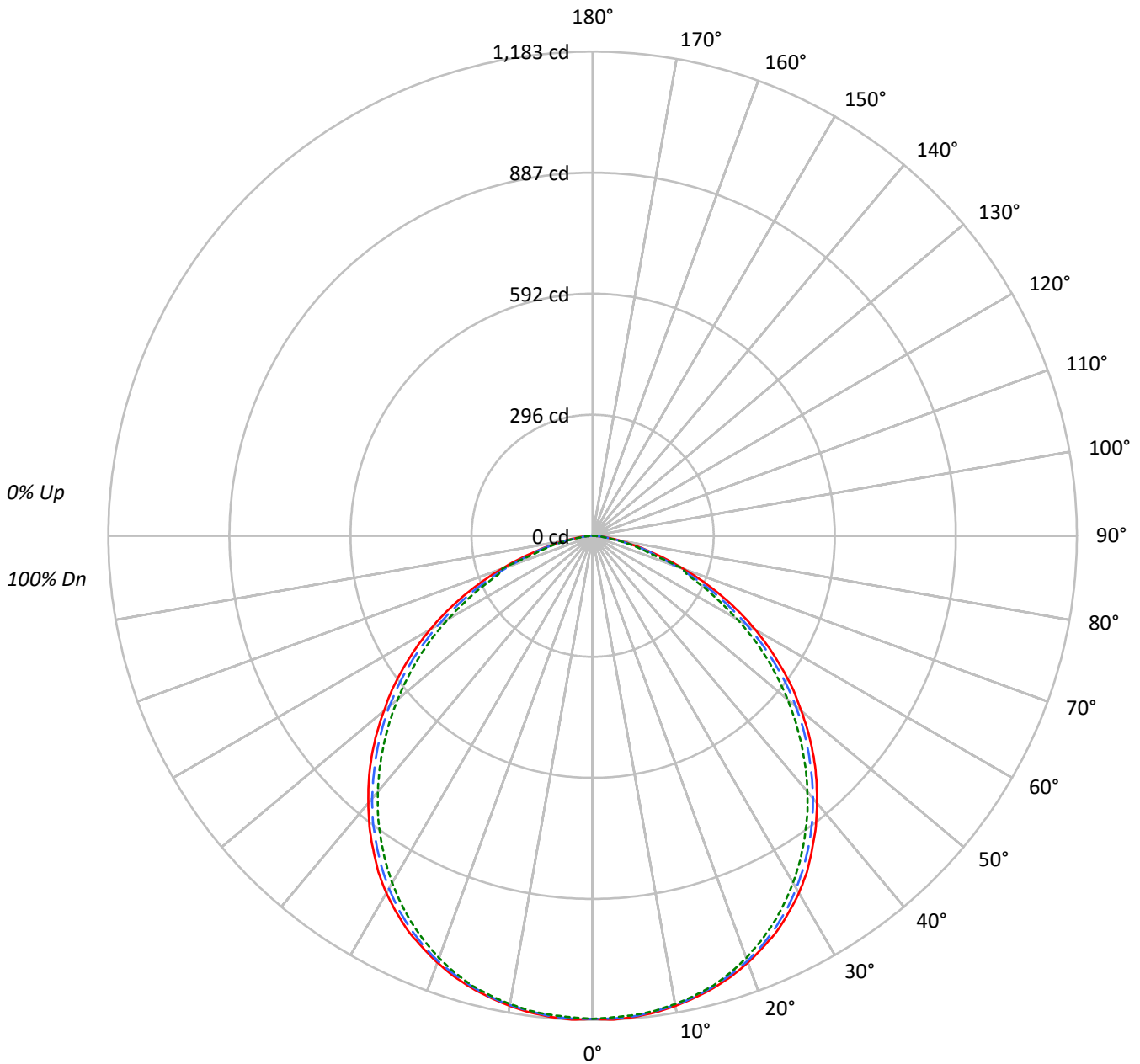
Lumens per Lamp: N/A
Luminaire Lumens: 3038.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3177	3177	3177
5°	3187	3182	3175
10°	3187	3181	3175
15°	3186	3176	3170
20°	3178	3166	3143
25°	3165	3137	3102
30°	3132	3092	3043
35°	3071	3025	2964
40°	2995	2943	2867
45°	2906	2835	2746
50°	2786	2712	2602
55°	2650	2546	2425
60°	2467	2338	2193
65°	2215	2059	1925
70°	1863	1697	1836
75°	1435	1380	1240
80°	1034	924	879
85°	633	540	488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.7
10°-20°	321.5	10.6
20°-30°	485.6	16.0
30°-40°	574.5	18.9
40°-50°	572.8	18.9
50°-60°	483.9	15.9
60°-70°	322.4	10.6
70°-80°	140.1	4.6
80°-90°	25.4	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°	918.9	30.2
0°-40°	1493.4	49.2
0°-60°	2550.1	83.9
0°-90°	3038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3038.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1180	1175	1178	1177	1175	112
15°	1144	1138	1140	1138	1138	323
25°	1066	1059	1056	1047	1045	490
35°	935	928	921	909	902	585
45°	764	757	745	729	722	588
55°	565	561	543	525	517	504
65°	348	344	323	309	302	344
75°	138	135	133	128	119	151
85°	20	21	18	16	16	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1180.5	1180.5	1180.5	1180.5	1180.5
2.5°	1183.4	1178.1	1180.5	1180.5	1177.6
5°	1179.9	1175.2	1178.1	1177.0	1175.2
7.5°	1174.6	1170.0	1171.7	1171.1	1170.5
10°	1166.5	1161.8	1164.1	1162.9	1161.8
12.5°	1155.9	1151.2	1153.6	1151.8	1150.7
15°	1143.6	1138.4	1140.1	1138.4	1137.8
17.5°	1128.4	1123.2	1123.8	1121.4	1119.1
20°	1109.7	1105.1	1105.6	1099.8	1097.5
22.5°	1088.1	1083.4	1082.8	1075.2	1072.3
25°	1065.9	1058.9	1056.5	1047.2	1044.8
27.5°	1037.8	1031.4	1027.9	1017.9	1013.3
30°	1008.0	1001.0	995.1	984.0	979.4
32.5°	974.1	967.1	959.5	947.8	942.5
35°	934.9	928.5	920.9	908.6	902.2
37.5°	895.7	888.7	881.1	866.5	861.2
40°	852.5	846.0	837.9	822.1	816.2
42.5°	809.2	801.6	791.7	776.5	770.0
45°	763.6	756.6	744.9	729.1	721.5
47.5°	715.7	709.8	697.5	680.6	672.4
50°	665.4	660.7	647.8	629.1	621.5
52.5°	617.4	611.0	596.4	577.7	569.5
55°	564.8	560.7	542.6	525.0	516.9
57.5°	512.2	506.9	488.8	471.3	463.7
60°	458.4	453.7	434.4	416.9	407.5
62.5°	404.0	398.8	378.3	362.5	353.7
65°	347.9	343.8	323.3	309.3	302.3
67.5°	291.8	288.8	267.2	255.5	250.2
70°	236.8	232.7	215.7	211.1	233.3
72.5°	185.9	180.7	166.1	158.5	152.6
75°	138.0	135.1	132.7	128.0	119.3
77.5°	97.1	96.5	88.3	81.9	88.3
80°	66.7	69.0	59.6	54.4	56.7
82.5°	40.9	45.6	35.7	31.6	30.4
85°	20.5	21.0	17.5	16.4	15.8
87.5°	7.6	8.8	7.6	6.4	6.4
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)