

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: P505967

Luminaire Tested: **14PD-45-PW1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-45-PW1-L930
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

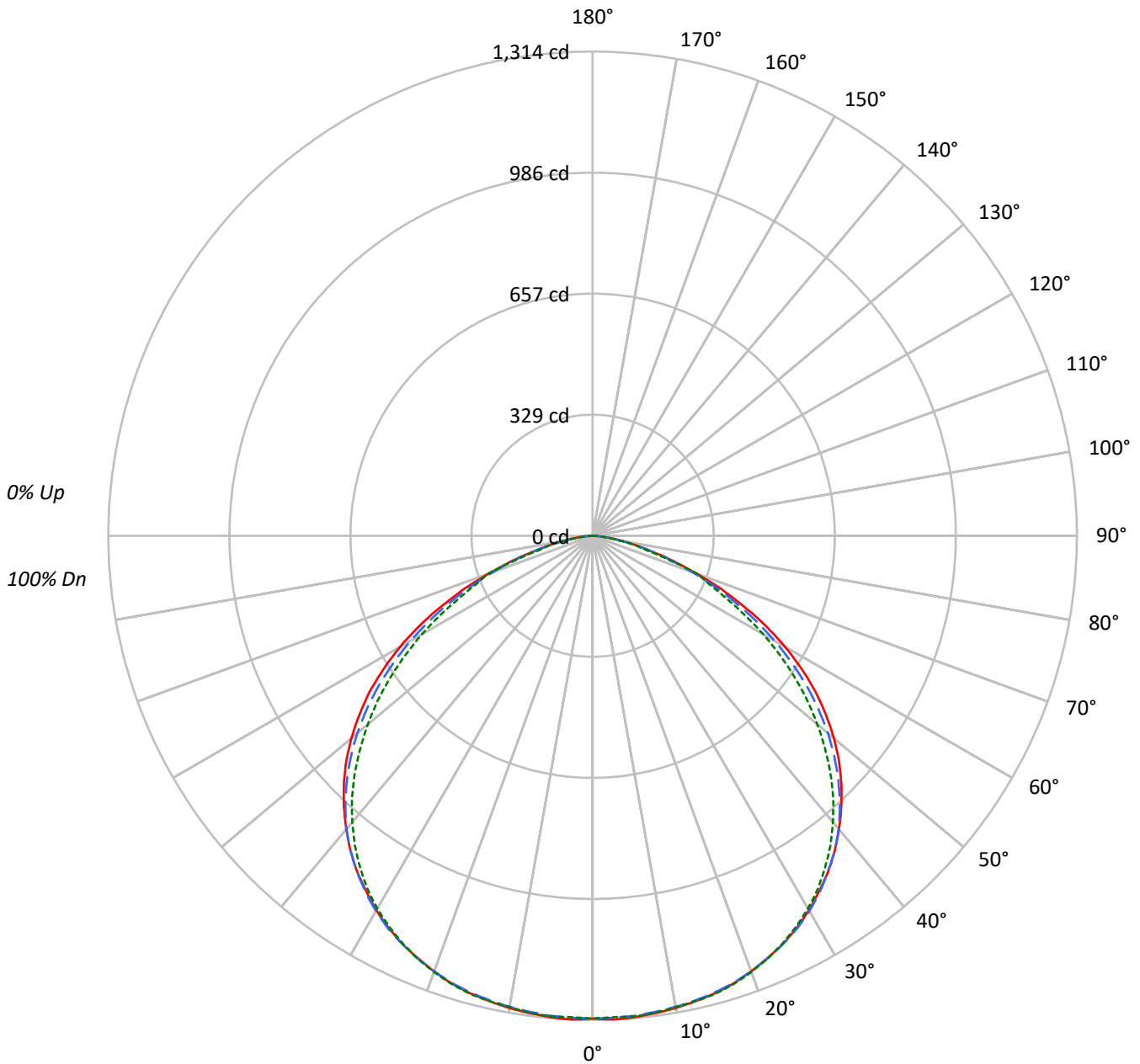
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3730.5 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 42.9
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				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	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	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	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
10	54	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°	3525	3525	3525
5°	3542	3532	3536
10°	3557	3547	3549
15°	3581	3573	3585
20°	3603	3601	3607
25°	3630	3630	3623
30°	3647	3654	3631
35°	3658	3658	3612
40°	3652	3649	3563
45°	3632	3590	3475
50°	3577	3490	3332
55°	3467	3321	3141
60°	3248	3068	2877
65°	2876	2711	2532
70°	2348	2243	2365
75°	1771	1739	1563
80°	1274	1193	1193
85°	800	753	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	3.3
10°-20°	362.6	9.7
20°-30°	562.9	15.1
30°-40°	693.3	18.6
40°-50°	721.8	19.3
50°-60°	627.7	16.8
60°-70°	421.7	11.3
70°-80°	182.5	4.9
80°-90°	33.5	0.9
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°	1050.0	28.1
0°-40°	1743.3	46.7
0°-60°	3092.7	82.9
0°-90°	3730.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3730.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1311	1303	1308	1311	1309	125
15°	1285	1276	1282	1287	1287	363
25°	1222	1217	1222	1222	1220	563
35°	1114	1111	1114	1104	1100	696
45°	954	952	943	922	913	735
55°	739	726	708	680	669	657
65°	452	444	426	406	398	447
75°	170	172	167	171	150	188
85°	26	27	24	22	22	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1309.9	1309.9	1309.9	1309.9	1309.9
2.5°	1314.3	1306.2	1309.1	1313.6	1307.6
5°	1311.3	1303.2	1307.6	1310.6	1309.1
7.5°	1306.9	1301.0	1303.2	1306.2	1305.4
10°	1301.7	1295.8	1298.0	1301.0	1298.8
12.5°	1293.6	1286.9	1291.3	1294.3	1293.6
15°	1285.4	1276.5	1282.5	1286.9	1286.9
17.5°	1273.6	1266.2	1272.1	1275.8	1275.1
20°	1258.0	1252.8	1257.3	1260.3	1259.5
22.5°	1240.3	1236.6	1241.7	1241.7	1241.7
25°	1222.5	1216.6	1222.5	1222.5	1220.3
27.5°	1199.5	1194.4	1201.8	1199.5	1195.8
30°	1173.6	1170.7	1175.8	1172.1	1168.4
32.5°	1143.3	1141.8	1147.0	1139.6	1136.6
35°	1113.6	1110.7	1113.6	1104.0	1099.6
37.5°	1078.8	1075.9	1078.8	1066.3	1059.6
40°	1039.6	1037.4	1038.9	1022.6	1014.4
42.5°	998.9	996.6	992.9	973.0	966.3
45°	954.4	951.5	943.3	921.9	913.0
47.5°	907.1	901.9	890.0	867.1	855.2
50°	854.5	847.1	833.7	808.6	796.0
52.5°	797.5	788.6	771.6	746.4	734.5
55°	739.0	725.6	707.9	679.7	669.4
57.5°	672.3	658.3	639.8	613.8	602.0
60°	603.5	589.4	570.1	546.5	534.6
62.5°	530.2	517.6	498.3	476.1	465.7
65°	451.7	443.5	425.8	405.8	397.6
67.5°	377.6	369.5	354.7	337.6	340.6
70°	298.4	297.7	285.1	273.2	300.6
72.5°	232.5	231.0	224.4	218.4	217.0
75°	170.3	171.8	167.3	171.0	150.3
77.5°	120.0	121.4	120.7	110.3	115.5
80°	82.2	82.2	77.0	73.3	77.0
82.5°	49.6	59.2	53.3	43.7	42.2
85°	25.9	26.7	24.4	21.5	21.5
87.5°	9.6	11.1	9.6	8.9	8.1
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)