

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: P506588

Luminaire Tested: **24PD-30-PW1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PW1-L930
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

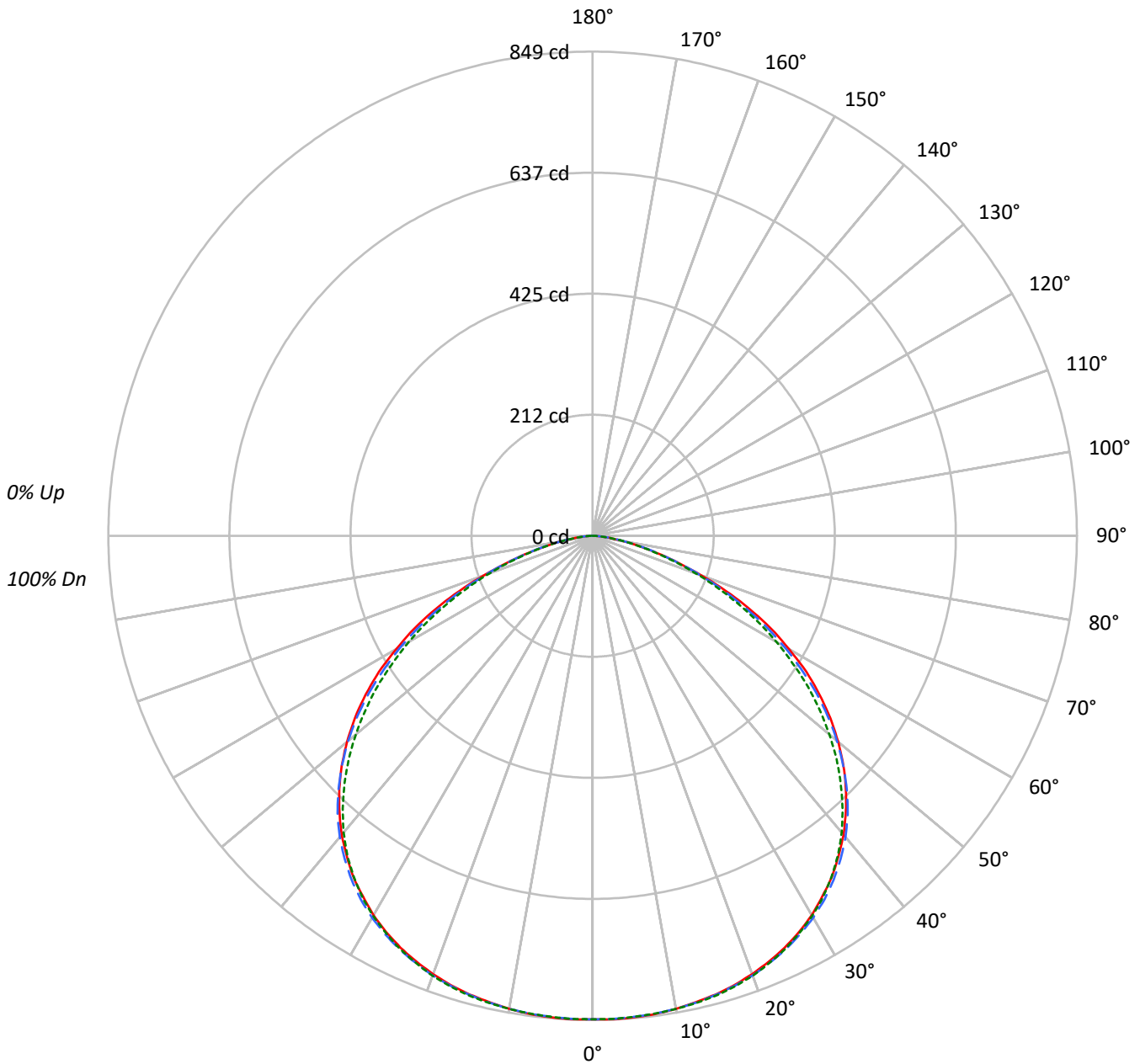
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2486.3 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	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	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1141	1141	1141
5°	1145	1144	1144
10°	1151	1151	1151
15°	1160	1161	1163
20°	1171	1175	1175
25°	1183	1188	1187
30°	1194	1201	1196
35°	1201	1210	1199
40°	1202	1211	1193
45°	1195	1199	1171
50°	1176	1171	1134
55°	1139	1120	1080
60°	1069	1042	1001
65°	965	929	891
70°	795	783	754
75°	608	614	590
80°	422	435	425
85°	252	262	256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	3.2
10°-20°	235.7	9.5
20°-30°	368.6	14.8
30°-40°	458.5	18.4
40°-50°	481.9	19.4
50°-60°	423.0	17.0
60°-70°	288.0	11.6
70°-80°	127.1	5.1
80°-90°	22.9	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°	685.0	27.6
0°-40°	1143.5	46.0
0°-60°	2048.3	82.4
0°-90°	2486.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2486.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	848	847	847	846	847	81
15°	833	834	833	833	835	235
25°	797	799	800	800	799	367
35°	731	734	737	733	730	457
45°	628	632	630	620	615	484
55°	486	484	478	465	461	433
65°	303	296	292	286	280	299
75°	117	118	118	116	113	128
85°	16	17	17	17	17	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	847.8	847.8	847.8	847.8	847.8
2.5°	848.8	848.3	847.8	847.1	847.8
5°	847.6	847.4	846.7	845.7	846.7
7.5°	845.7	845.7	845.0	844.3	844.8
10°	842.2	842.9	842.2	841.4	842.4
12.5°	837.4	838.6	838.4	838.4	839.1
15°	832.7	833.6	833.4	833.4	835.1
17.5°	826.1	827.2	827.5	828.0	828.9
20°	817.8	819.4	820.4	820.1	820.9
22.5°	808.1	810.0	810.7	811.2	810.7
25°	796.9	799.1	800.5	800.0	799.3
27.5°	783.5	785.8	787.7	786.5	785.1
30°	768.3	770.4	773.3	771.2	769.7
32.5°	749.6	753.6	756.2	753.6	751.5
35°	730.9	734.2	736.6	733.0	730.2
37.5°	708.2	712.2	714.3	709.4	706.3
40°	684.3	688.3	689.5	683.1	679.1
42.5°	657.1	661.6	662.0	653.0	648.5
45°	628.0	632.0	630.3	619.9	615.2
47.5°	596.5	599.3	595.8	585.1	579.9
50°	561.9	563.6	559.3	546.8	541.8
52.5°	525.5	525.2	519.8	507.2	501.8
55°	485.5	483.6	477.6	465.1	460.6
57.5°	444.5	438.6	432.2	421.6	415.6
60°	397.4	392.9	387.2	376.6	372.1
62.5°	352.9	344.9	340.1	330.7	326.6
65°	303.0	295.6	291.8	285.5	280.0
67.5°	252.8	247.1	244.5	240.0	235.0
70°	202.1	200.5	199.1	194.8	191.7
72.5°	157.4	156.9	156.7	154.3	151.2
75°	116.9	117.6	118.1	116.0	113.4
77.5°	83.3	84.5	84.3	83.1	82.4
80°	54.4	55.4	56.1	54.9	54.9
82.5°	32.9	33.8	33.6	34.1	33.1
85°	16.3	17.0	17.0	16.8	16.6
87.5°	5.9	6.2	5.9	6.2	5.9
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)