

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: NEO-RAY

Report Number: P24882

Luminaire Tested: **79PF-2L35-4-U-DD-SI**

Test Date: 09/18/14

Test Information

Test Method: LM-79-08
Report Number: P24882
Test Lab: INNOVATION CENTER-P2
Test Date: 09/18/14
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 79PF-2L35-4-U-DD-SI
Description: NEORAY PENTAFLEX PERIMETER DIRECT WALLWASH (1.6A)
Light Source: (98) 3500K LEDS
Ballast/Driver: (1) LG ELECTRONIC DRIVER
CLUNVCC CLUNVCC200024VD010

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1801.7 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.29 / 1.34
Luminous Opening: Rectangular (W 4' x L: 0.67' x H: 0')
CIE Type: Direct

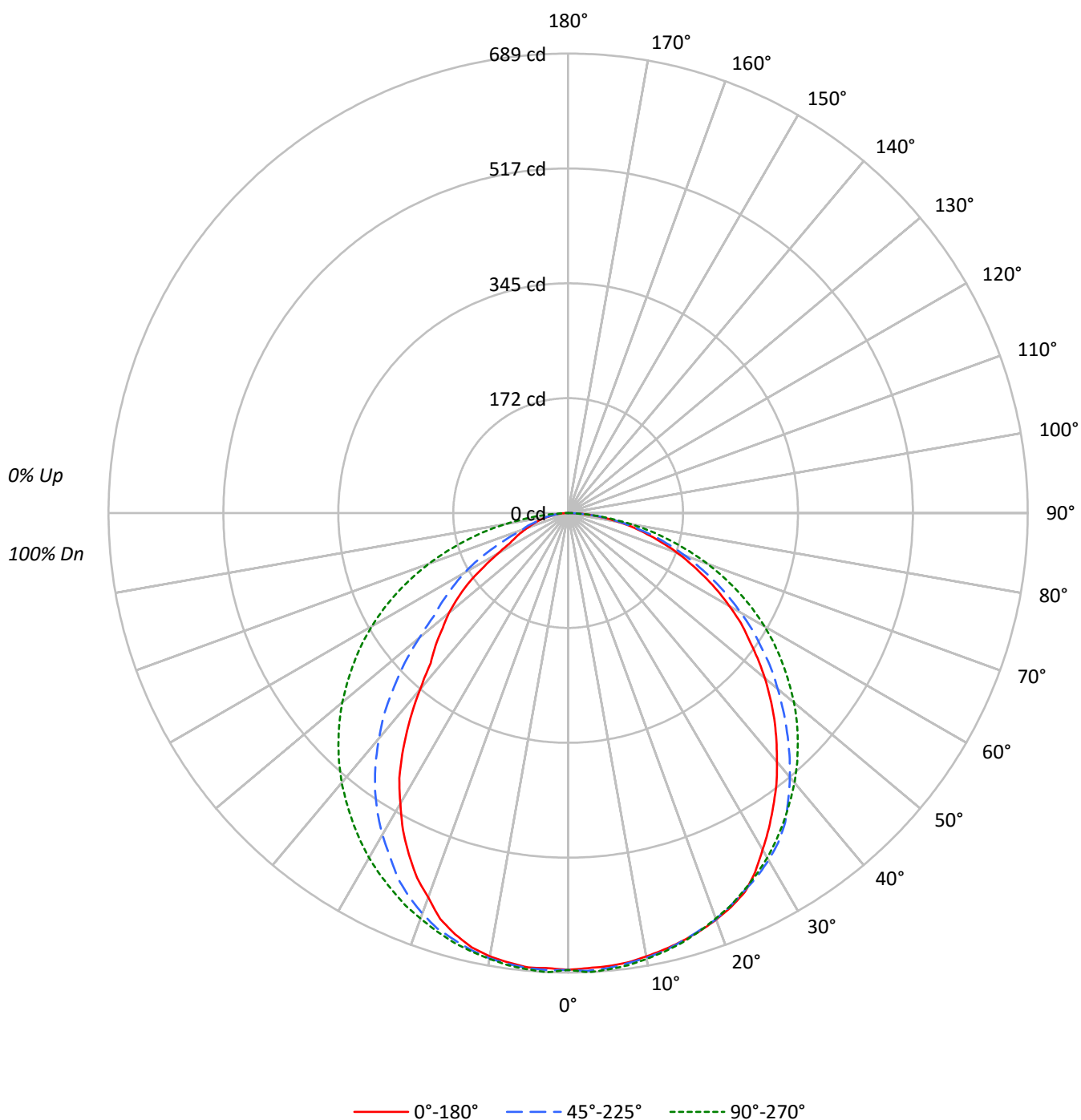
Input Watts (W): 38.2
Input Voltage (V): 120.04
Input Current (Ain): 0.31966
Voltage Rise (V): NR
Power Factor: 0.9987
Total Harmonic Distortion (THDi): 7.48%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	100	97	106	102	98	95	98	95	92		94	92	89		91
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48
8	62	48	40	34	60	47	39	34	46	39	34		45	38	34		44
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2765	2765	2765
5°	2763	2784	2771
10°	2767	2783	2767
15°	2775	2783	2733
20°	2788	2779	2633
25°	2792	2779	2516
30°	2717	2783	2344
35°	2641	2779	2124
40°	2566	2782	1818
45°	2495	2780	1604
50°	2418	2776	1463
55°	2329	2759	1274
60°	2252	2745	977
65°	2149	2703	831
70°	2054	2620	767
75°	1918	2464	733
80°	1790	2208	674
85°	1528	1760	648

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	3.6
10°-20°	186.7	10.4
20°-30°	281.1	15.6
30°-40°	329.5	18.3
40°-50°	324.4	18.0
50°-60°	278.2	15.4
60°-70°	197.1	10.9
70°-80°	109.1	6.1
80°-90°	30.5	1.7
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°	532.9	29.6
0°-40°	862.4	47.9
0°-60°	1465.0	81.3
0°-90°	1801.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	685	685	685	685	685	
5°	682	685	687	685	684	65
15°	664	664	666	662	654	188
25°	627	625	624	604	565	287
35°	536	567	564	505	431	336
45°	437	464	487	369	281	337
55°	331	355	392	229	181	297
65°	225	242	283	123	87	224
75°	123	132	158	50	47	131
85°	33	35	38	14	14	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	685	685	685	685	685	685	685	685	685
2.5°	683	686	687	682	689	683	686	686	683
5°	682	684	685	681	687	681	685	685	684
7.5°	680	681	681	678	684	679	682	681	680
10°	675	675	677	673	679	674	678	675	675
12.5°	670	671	672	667	673	668	671	667	667
15°	664	665	664	660	666	661	662	657	654
17.5°	657	658	656	652	657	652	653	643	638
20°	649	648	648	642	647	642	639	623	613
22.5°	639	637	637	631	637	630	623	598	592
25°	627	627	625	620	624	618	604	576	565
27.5°	607	613	614	606	611	603	579	549	536
30°	583	591	601	592	597	587	557	519	503
32.5°	560	566	586	577	581	570	532	485	471
35°	536	542	567	561	564	551	505	450	431
37.5°	513	518	542	544	546	530	474	412	389
40°	487	492	517	527	528	507	441	371	345
42.5°	462	469	491	508	508	485	408	330	305
45°	437	442	464	488	487	455	369	290	281
47.5°	411	417	437	467	465	433	332	268	255
50°	385	391	410	445	442	400	291	242	233
52.5°	358	364	384	420	417	371	254	219	208
55°	331	338	355	391	392	337	229	193	181
57.5°	307	311	328	361	367	304	204	167	149
60°	279	283	299	331	340	269	179	134	121
62.5°	253	256	271	300	312	232	153	106	99
65°	225	230	242	269	283	194	123	88	87
67.5°	199	203	214	238	253	158	96	78	76
70°	174	176	186	207	222	131	73	67	65
72.5°	148	150	159	177	190	106	63	57	56
75°	123	125	132	145	158	80	50	47	47
77.5°	101	100	105	118	128	53	40	37	38
80°	77	76	80	89	95	36	31	29	29
82.5°	54	54	58	64	65	25	22	21	22
85°	33	33	35	39	38	15	14	14	14
87.5°	14	15	15	18	14	7	7	7	8
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)